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| HCUEW19 | 601 | 576513 | 1 - 344 | 15 - 358 | AI801600, AW193265, AL041368, AI350211, T06828, AA553465, AW104748, AI625244, AI688846, AA652057, AA649642, AI284640, AA831527, AA513972, AI918421, AA503258, AA669251, AW301350, AW303196, AW274349, AA346458, AI367975, T40617, AW193432, AW236342, AI580652, AI367497, F18974, AI345654, AA719805, AI708009, AI298710, AI282832, AI434695, AI355206, AI610159, AA501600, AI281697, AI270117, AI446464, AW129001, AI634384, AI287651, AA228420, AW406659, AA688036, AA594145, AA347927, AA347930, AW088058, AI872227, AA079515, AA984708, AA719080, AI341664, AL041690, AI469172, AA493206, AA251117, AA649705, T71030, AA557879, AI886629, AI805607, AW021747, AI696962, AI266133, F29702, AA664015, AL044940, AA745582, AA551503, AA368936, AW072587, F19012, AA747472, AA367986, AA568778, AL046409, AA824655, AA824654, AW439558, AI471481, AI002834, AA252763, AL138265, T15977, AI431303, AW276827, AA515224, F36273, AI613280, AI340453, AL041412, AI565582, AI291124, AW062724, AI802526, AI160117, AW238278, AA563926, F33511, AA100599, AI282336, U51696, AI291268, AW338086, AA302963, AW339568, AI375710, AA723017, U18396, X54176, I51997, U57004, X55922, U18399, U18393, U18398, U57006, X55930, U18394, U57005, U57009, U18391, U18392, X55925, U18390, U14684, X55926, X54180, U18395, U14701, U57008, |

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| | | | | | X55932, U02063, X55931, U14703, U14707, U14702, X55928, U02048, X54175, U18387, AF196779, X54179, U18400, AF015166, S70699, AF147277, Z22650, Z30993, U67828, S70689, S70692, AF015149, U67827, AF064724, X53550, AC005799, Z49816, AP000553, AC007114, AF077058, U67829, AC005624, AC004381, AF015154, AC004542, AL117258, AF015151, AF001550, AF015157, AC007664, AF015156, AF015147, AC004929, U75285, AF164343, AC007874, Z95114, AL035417, AL031255, AC002045, AC009516, U67831, Z95115, U47924, X74558, AC005043, AC005535, AL008718, AC005527, AC007738, AC003007, U67233, AC006312, AF018071, AL031709, AL049776, AC004878, U67231, AB020865, AC004638, AL049869, AC006011, AP000297, AL021453, U85195, AF060568, AC003119, AF085444, AC005387, AC004955, AP000510, AL035659, U50871, AC005330, Z69917, AC005632, Z49235, X88791, AC006363, AC004876, AC000379, AD000092, AE000658, U29953, AC005412, X60459, AC003111, AL031589, AF134726, AC007064, AC000052, AC004797, AC004167, S77605, AC002091, AF147439, AC006116, AP000402, AP000517, AC000999, AC007041, AL034420, U67225, AC007055, Y14768, AP000501, AC005529, AL078603, AC009891, AC004069, AF038458, AL035587, AC002312, AC006111, AC006013, AF045555, AC004019, AC006285, AC005763, AL031259, Z82198, AF085913, AC005144, AC004812, X76629, AC004033, AL133243, AC004815, U67222, AP000505, AL022310, AC005324, AC005194, AC002307, AC004894, AC003006, AC004821, Z69921, AC002094, AP000338, AC007792, AC005821, AC004531, AF094481, AC004522, AL121655, AC005375, AC005072, Y14486, AC004785, AC007666, and AC004453. |
| HCUEW58 | 602 | 850061 | 1 - 395 | 15 - 409 | |
| HCUEW71 | 603 | 881372 | 1 - 198 | 15 - 212 | |
| HCUEX58 | 604 | 462365 | 1 - 343 | 15 - 357 | H59974, H80899, AL020997, AC007308, AC005081, AF045555, AC007637, AC004686, Z95113, AC004953, Z81369, U95739, AC005049, AL079295, AC002302, AC004491, AL122020, AC005488, AL049869, AL008721, U89337, AC003009, AL031584, AF152365, AF222686, AC006013, AC003663, AC005325, AC007938, AC004854, AC006515, Z99570, AL117337, AL121655, AC005005, AF190631, AC006115, AP000510, AL022316, AC006101, AC007785, AL008726, AC004859, AC005391, AC005102, AL031311, AL132992, AC004477, AC004104, AC004019, AL080243, AL132777, AB023048, AC005632, AC009721, AC007263, AL022343, Z74617, AC006111, AC005971, U07562, AC004685, AC003029, Z82208, AC006271, AC005899, AC004832, AF064861, AL022318, AJ246003, AD001527, Z97054, Z93930, AC005288, AC003689, AC004762, AL109758, AC005015, Z98946, AC006040, AF001549, AC005011, AL121658, AC004893, AJ003147, AC004785, Z84467, and AC002369. |
| HCUEX74 | 605 | 953897 | 1 - 326 | 15 - 340 | AF150416. |
| HCUEY29 | 606 | 920419 | 1 - 378 | 15 - 392 | |
| HCUEY48 | 607 | 576519 | 1 - 387 | 15 - 401 | R24915, N32878, R07374, AA748826, AA772016, AI287921, AI051037, AA626829, AA569065, AA745356, H91844, N64587, AA879053, AA055601, AI984593, AW271917, AA657416, |

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| | | | | | AA837715, AA655005, AI908575, AA525409, AA640617, AA457249, AA827771, AA888777, T03203, AL047411, AA176917, AA594188, AI537330, AF034193, AA613966, R80456, H79308, W02971, L78810, AC005048, AC006509, AL022163, AC007308, AC005920, AL049844, U80017, AL109963, AC005274, AC004000, AC005060, AL031666, AC005231, AL035420, Z68223, AC004148, U82828, AF165926, Z99716, AP000501, AC007276, Z82244, AC004895, AC005606, AC005914, AL008635, AC005701, AC006449, AC007055, AC005280, AC005363, AC004887, AL022320, AC006285, AC004646, AC005081, AC004228, AF109907, AC005378, AC006441, U73024, AC002350, AC002394, AC006241, AC005411, AC006011, AP000356, AC005913, AC007876, AL031283, AC004623, Z83840, AC005023, Z98051, AC006050, AL020997, AF196779, AC004217, AC002301, AC005206, AC004209, AC005406, AL020995, AC004858, M30688, AL035460, AC006538, AL031431, AF207550, Y10196, L44140, AL031295, AF064861, U47924, AC002133, AC005667, Z93930, AP000065, AC007263, AL078581, AC005102, AP000472, Z82214, AL021918, AL035683, AC003695, Z82201, AL035410, AF172277, AL035413, AC004528, AC004019, and AL121603. |
| HCUEZ88 | 608 | 576537 | 1 - 326 | 15 - 340 | AI028483, and AW023910. |
| HCUFA05 | 609 | 932116 | 1 - 385 | 15 - 399 | Z93023. |
| HCUFA38 | 610 | 675677 | 1 - 324 | 15 - 338 | AA626710, AW138429, AI087993, AI077877, N69907, AA657613, AW162236, AI161164, AI356294, and AC004067. |
| HCUFB15 | 611 | 660460 | 1 - 257 | 15 - 271 | |
| HCUFB89 | 612 | 746601 | 1 - 305 | 15 - 319 | |
| HCUFC22 | 613 | 951134 | 1 - 306 | 15 - 320 | |
| HCUFD09 | 614 | 625728 | 1 - 292 | 15 - 306 | T64920. |
| HCUFG64 | 615 | 576574 | 1 - 102 | 15 - 116 | |
| HCUFH32 | 616 | 920281 | 1 - 227 | 15 - 241 | AA679737. |
| HCUFK94 | 617 | 722999 | 1 - 175 | 15 - 189 | |
| HCUFL02 | 618 | 932429 | 1 - 447 | 15 - 461 | AC000159, and AB007864. |
| HCUFL15 | 619 | 575844 | 1 - 448 | 15 - 462 | |
| HCUFL35 | 620 | 677853 | 1 - 413 | 15 - 427 | |
| HCUFL77 | 621 | 575843 | 1 - 357 | 15 - 371 | R98755, R98754, AA642005, and AW292993. |
| HCUFM60 | 622 | 730707 | 1 - 444 | 15 - 458 | R09221. |
| | | | | | AI824558, AI375432, AA887250, AI914747, AA558412, H93568, AI003725, W89152, AC007229, AC000353, Z99716, AP000355, Z95114, U91321, AL034400, AP001052, AL021155, AC004821, AL133500, AC004985, AL049869, AF134726, Z73964, AC004812, U91318, AC002070, AC003950, AC006441, AC007227, AF001549, AC005829, AC004834, AL022476, AC002394, AC005919, AF064860, AC004687, AC005484, AC004382, AC004491, AC006016, AC002126, AC007565, AC005527, AC002996, AC005971, AC007371, AC004448, AC005057, AC005182, AC004646, Z97054, AC004851, Z98044, AL022313, AC009330, Z79997, AC000003, AC009542, |

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|---------|-----|--------|---------|----------|---|
| | | | | | AC004882, AL080243, AB001523, AC005377, L44140, AL096791, AL009181, AP000502, AC006211, AC005952, AC005529, AP000350, AC004216, AC007546, AC000077, AC003029, AC004472, AP000194, AL109657, AL078611, AL121595, AC004778, AL133353, AC007151, AC003690, AC005913, AL049569, AC004587, AC004820, Z98752, AC008989, AL022163, AL031588, AC000029, AC007055, AC002400, Z94056, AC004590, AC002039, AC005915, AC006241, AC004890, AC006509, AP000047, AL031276, AC002352, AL031985, AL117694, AL031673, AF053356, AL096701, AB003151, AL035089, AC005102, AP000552, AC006039, AC008072, U91323, AL021939, AC002303, AC003003, AL022323, AL022721, AP000117, AC004990, M90058, AF061032, AJ003147, AC005011, AC003101, AL050350, Z84487, AP000115, AL023575, AC003110, AP000512, AC004967, AC006505, AL024508, AC005193, AC005881, AC005332, AC004703, AL034417, AC006461, AC005015, AC005081, AP001054, AC004796, AL096702, AC004678, AC002468, AC007406, AC002470, AP000066, AC002350, AC008372, AL031005, AC005736, AL020997, AC006274, AL096703, AC005531, AC004841, AC004938, AC004686, AC005089, AC002425, AL117258, AC003010, AC005763, AP000555, AC005839, Y12787, AC002492, AC007688, AL008718, AC004854, AC007382, AP000501, and AL121757. |
| HCUFM65 | 623 | 576809 | 1 - 452 | 15 - 466 | R47962, AA731533, and AI950023. |
| HCUFN65 | 624 | 741927 | 1 - 487 | 15 - 501 | AA046457, AI373707, AI864613, AA054000, and AA015959. |
| HCUFP13 | 625 | 576582 | 1 - 339 | 15 - 353 | |
| HCUFP76 | 626 | 861703 | 1 - 293 | 15 - 307 | |
| HCUFP91 | 627 | 575864 | 1 - 140 | 15 - 154 | |
| HCUFQ80 | 628 | 709357 | 1 - 455 | 15 - 469 | R89560, AA483606, AA570740, AA568204, AA664126, AI250262, N63755, AW083408, Z22963, AA015948, AA768179, AA482725, R89906, T05684, AW152348, AA565679, AA302978, AA633981, AI114772, AI866911, AA503018, AW002330, AA731361, AA487209, AW151018, AI821382, AI820534, H56703, AL120052, AA626411, AI801649, T50251, AA676592, AA810837, AL039801, AA229823, AI065038, F35684, AA228979, AI804539, N24909, AI889579, T51436, AW272815, AA572921, T63030, AA515723, N71619, AA564925, AA837771, AA745297, F31811, AA297006, AI800345, T05617, AW419126, H62923, AI709180, AA228442, AA862075, R34070, AW021608, AA507343, AI791437, N37070, AI732483, F00949, AL041895, H07953, H69653, N95817, AI206078, AL048838, AL041019, AL048825, AA177013, H59651, AW409763, AP000163, AB022537, AC005841, AL031228, AC005858, AB019437, Z95704, AC005192, AC002377, AC003083, AL035494, AC005799, AC004986, AL031432, AC005632, AC004772, AF109907, Z97180, AC005837, AC006406, AC004858, AC004987, AL031277, AC002550, AC003007, AC005820, I34294, AP000548, AC000120, AP000365, AC007277, Z93023, AL022721, AC005089, AC004855, AF139813, AC006597, AC006512, AC007731, AC005500, AC005575, AL096701, AC004910, AC004526, AL096712, AC007227, Z83844, AP000561, AC006030, AP000116, AL049872, AL050318, AC005057, AL109980, AC004033, AC003025, |

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| | | | | | AC004228, AC004796, AC004884, AL009181, AC006057, Z85987, AL049692, AL024498, U91326, AL031577, Z49235, AC005793, AF047825, AC005037, AL009178, AC006146, X71402, AC002314, AC006013, Z68756, AL008635, AL031680, U47924, AL008719, AC002558, AL135744, AC007358, AB016897, AL133246, AL022311, AC005086, AC005545, U62293, Z93241, L48038, AC010205, AL132987, AC004686, AC004263, AP000311, AC005358, AF001549, AB023049, AC006023, AC006088, AL033521, AC002059, AC007276, AL080243, AL022336, AL049761, AL049833, AF069291, U80017, AC006948, AC002549, AL031584, AL022343, AL109952, AL049713, AB015355, AC006275, AC020663, AC005703, AL022719, AC005409, AL109984, AC004659, AL049591, AC005800, AC006006, AC005005, AC004234, U95742, Z95116, L44140, AC003026, AJ003147, AC005071, AC007216, AC005763, AC005183, Z83843, AC004386, AF029308, AC007435, AC000003, AC005257, AL031123, AC005219, AC005231, Z81364, AL121823, AC009286, AC004880, AP000251, AL033381, AC006241, AC007429, AC004656, AC003689, AL031668, AC005874, AF134471, U78027, AF196972, AC007226, AC007688, AF111169, AC004596, AL133245, AC007066, AC005940, AC006285, AB001523, AC007367, AL031005, Z94801, AL035422, Z97053, AC000026, AF207550, AC007540, AL049538, AC004834, AL009031, AC002326, AC005069, AL035071, AC004382, AL096861, AC004024, AC001231, AC002563, AL034423, AC004864, AC005488, AC005516, AP000030, AC007151, AL031447, AC004817, AC004594, AL031291, AL035413, Z82176, AC004805, AF217403, AP000511, AP000555, AL133312, AC006344, AC005821, AC004531, AL034549, AL096791, AC008119, AC004783, AC007278, AC002470, AL020997, Z93020, AF143315, AC005696, AL132712, AF196779, AC007388, AC006014, U91325, AP000066, AC005520, AL096774, Z94802, AC000387, AC016026, AL022313, AC005962, AC005412, AC004655, AI239318, Z84469, AL035405, D84401, and AL008718. |
| HCUFT26 | 629 | 575721 | 1 - 426 | 15 - 440 | AC007879. |
| HCUFU36 | 630 | 575831 | 1 - 251 | 15 - 265 | |
| HCUFU49 | 631 | 953896 | 1 - 337 | 15 - 351 | AW403674. |
| HCUFU58 | 632 | 725891 | 1 - 444 | 15 - 458 | AA088560, AI733762, AI733719, and AA053641. |
| HCUFU68 | 633 | 694410 | 1 - 312 | 15 - 326 | AA077835, AI149915, AC005914, AC007785, AC005082, and AC006371. |
| HCUFU91 | 634 | 828083 | 1 - 323 | 15 - 337 | |
| HCUFV13 | 635 | 578459 | 1 - 357 | 15 - 371 | AA361129. |
| HCUFV44 | 636 | 576650 | 1 - 322 | 15 - 336 | AA618332, and AC004883. |
| HCUFW41 | 637 | 850007 | 1 - 571 | 15 - 585 | T65857, AI678013, R44293, R40978, H24231, F01849, AW177822, T92856, AW177816, AC006537, U73166, AC006512, AC000353, AC005102, AC004685, and AC004458. |
| HCUFW61 | 638 | 862086 | 1 - 442 | 15 - 456 | AL031666. |
| HCUFW75 | 639 | 575830 | 1 - 307 | 15 - 321 | T08386, AI636734, AA947369, AA077619, R34070, AA830070, AW151018, F09355, AA598605, AI799421, AI459943, AW019964, AI271762, AA565319, AA612727, AL121287, AA788592, AA721554, AA664126, AW408767, AA745302, AA742818, AA878407, AA938390, AI052776. |

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| <p> AI160786, AA525293, AA736557, AA594719, N41775, AA579399, AA508036, AW440368, AL134167, AA553457, AI732911, AI904944, AA515926, AI459904, AI284045, AA846923, AW054936, H38769, AA502207, AI918419, AW102811, T90477, AI824476, AA715508, AW338860, AI819391, AI567391, AI749893, H12857, R69819, AI823705, AW028950, AI925065, AI025930, AW161016, AW088631, N68449, AA715075, W24312, AW238253, AI053784, AI355873, AA847831, F35684, AA558748, AA501867, AI879951, AI335963, AI133514, AA993636, H79586, AA599080, AI114704, AA219349, AA634926, AA503018, AI306717, AI904840, C06004, R83068, R67701, AL120543, AA772704, AW264901, T54144, AA297207, AA715173, AI250262, AI417586, W95552, C14330, AA326904, AA564682, AA469172, T51556, AI923052, AA493947, T50676, AA336058, AA582374, AI289050, R93919, AA838091, AA603264, AI284092, AA230146, AI479068, AA650447, AC005971, AL034549, AL035457, AC006547, AC004765, AC005696, AC006317, AL109952, AL096791, AL049589, AC000003, AC000134, AL031848, AC006057, AC006512, AL035682, U47924, AP000337, AP000216, AC006581, AL096701, AC006449, AL020996, AL049759, AL049643, AC006141, AL035443, AC004858, AF015416, AL031291, AC004815, AF045555, AL109628, AC004148, AF109907, AC006088, AC005664, AC005531, AC005566, AC004882, AC003037, AC005632, AC007637, AC005081, AC004263, AL035405, AL023879, AL022721, AL022400, AC002350, Z99943, AC005519, AC005529, AL022238, AC007917, AL035588, AL031295, AC004019, AL021939, AC005874, AF134471, AC005952, AL031737, AL049869, AC002369, AL049653, AC004262, AC005881, AP000566, AC010206, AC000097, AC005089, AL020995, AC005921, AC004668, Z98750, AC005237, AC004106, AC005736, AC006211, Z83840, AL096773, AC006480, AF047825, AC004098, AC004587, AL009179, AF146024, AL049697, AL135783, AL080243, AF200465, AC006597, AL023803, AC004675, X55448, AC005859, L44140, AC005082, AC004223, AC005046, AD000092, AC007552, AC007371, AC006464, AC002992, AC003108, U91324, AC005837, AF196779, AB012286, AC004985, AC006017, AC009247, AL049839, AF088219, AC005670, AC005229, AC005488, AC002300, AC003010, AC007934, AC004859, I34294, Z95331, AC003024, AC004967, AP000033, AC005057, AP000509, U91326, AL133355, AC004757, AC006561, AC005765, AC002544, AC000052, AC007993, AC006121, AL049776, AC007566, AC005154, AF064861, AJ003147, AP000310, AP000309, AL035400, Z83826, AC005777, AC002394, AP000048, AC005376, AP000116, AL031230, AC004216, AL035447, AC007228, AL109984, AC005913, AC005011, AC006071, AR036572, U91328, AC006210, AC005962, AD000812, AC002126, AC004050, AC007406, AC006064, AC003043, AP000555, AC005618, AC006390, AC006014, AL035071, L77570, AF050154, L78810, AP000229, AP000144, AL109967, AC004583, AC007057, AL049872, AC003665, AC005726, AL031321, AC007201, AL031707, AC005578, AC004974, AC003690, AC000090, AC007938, Z73359, AF196969, AL031767, AC005822, AP000355, AC006208, AL022311, AC004629, AL136295, AC007687, AC007055, AC004042, AL033543, AC004000, AC004099, U91318, AL031587, </p> | | | | |
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| HCUFW83 | 640 | 577263 | 1 - 401 | 15 - 415 | |
| HCUFX24 | 641 | 577266 | 1 - 178 | 15 - 192 | AW49501, and AI751021. |
| HCUFX74 | 642 | 850067 | 1 - 564 | 15 - 578 | |
| HCUFY27 | 643 | 669876 | 1 - 112 | 15 - 126 | |
| HCUFY35 | 644 | 577130 | 1 - 337 | 15 - 351 | AW339568, AW270284, AI305766, AI298977, AI565581, AW102955, AI345522, AA658235, AI357551, AI203955, AI344844, AL120008, AI340453, AI557323, F33121, AI708009, N69962, AI937850, AA225201, AI379719, W07122, AI110848, AI880168, AA657741, AI053786, AI254338, AI349874, AL134330, AA993198, AI801591, AI084012, AW169687, AW403720, AI345654, AW265009, AI802526, AA581903, AA569284, AW327360, AI697353, AA369477, AA484148, AF034176, AI423941, AI473943, AI889765, AI161293, AI923140, AI924251, AI888110, AI890928, AI890570, AW157326, T71998, AI225141, AW265294, AI358571, AL043756, AA715362, AA251117, AA715270, N43757, AL023575, AL031675, Z98950, AC006211, AL033397, AL049780, AC007055, AC006146, AL034419, AP001039, AC007540, AC005544, AF042090, AC005226, AL033381, AC005906, AC005245, X13921, AC002536, AL021391, AC002430, AC007384, AL049557, AP000295, AL109754, AC005856, Z85996, Z95113, AL022318, AC005684, AL022396, AC002394, AF091512, AC005548, AJ003147, AC004381, AL031311, AC003087, AC004228, AC022517, AP000354, AC007917, AC005821, U63721, Z82194, AC005274, AL137191, AC005386, U07000, AF011889, AC005772, AC004408, AL022147, AC006037, AL031668, Z98049, Z98257, AC007160, AL121580, AL031447, AC007652, AL034376, AC004770, AC006213, AF064866, AB015752, AF029308, AC005722, AL109758, AL132987, AC005070, AP000356, Z84814, AC006840, AC002470, AL034350, AC006996, AC005005, AC005912, AC008012, AL031368, AL034370, AC002070, AC007878, AP000245, AD000684, Z97205, AC009405, AL021977, AF001552, AC005664, AP000958, AC005697, Z93942, AC005820, Z94044, AC005694, AP000566, AC004887, AP000120, AP000167, AP000052, AC004941, AP000961, AC006253, AC006547, and AC005220. |
| HCUFY40 | 645 | 967273 | 1 - 194 | 15 - 208 | |
| HCUFZ81 | 646 | 878882 | 1 - 346 | 15 - 360 | |
| HCUGB48 | 647 | 880730 | 1 - 470 | 15 - 484 | W24312, AA634926, F11421, AW007247, H60486, AA569089, AA938390, Z95331, AC006441, AL022316, AF111168, AL035659, AC012384, AC002378, AC002565, AC007546, AL079342, Z99716, AC005952, AC005225, AC005722, AL109627, AC004876, AP000356, Z83840, AC002119, AL109657, AC005822, AC005736, AC005089, AD000813, AC007066, AL049856, AC004832, AL080243, AL096791, AP000349, AL049709, AC005091, AC007011, AP000113, |

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| HCUGC96 | 648 | 575825 | 1 - 546 | 15 - 560 | | | R64618, and R64619. |
| HCUGD15 | 649 | 660343 | 1 - 429 | 15 - 443 | | | AI821309, T57758, AI820666, T91659, AI732244, T93260, AC007344, AC002542, AL139054, and AL109946. |
| HCUGF18 | 650 | 666495 | 1 - 309 | 15 - 323 | | | |
| HCUGF61 | 651 | 741842 | 1 - 393 | 15 - 407 | | | AC009411. |
| HCUGG25 | 652 | 678112 | 1 - 164 | 15 - 178 | | | |
| HCUGH01 | 653 | 916600 | 1 - 316 | 15 - 330 | | | R09190. |
| HCUGH30 | 654 | 778735 | 1 - 436 | 15 - 450 | | | AI248117, N34987, and AI242866. |
| HCUGH34 | 655 | 706469 | 1 - 300 | 15 - 314 | | | |
| HCUGH83 | 656 | 862078 | 1 - 188 | 15 - 202 | | | AP000011, and AP000153. |
| HCUGI29 | 657 | 584711 | 1 - 669 | 15 - 683 | | | AA011550, AA854029, AI808348, AA448255, H61005, AL035067, AL121934, and AC000004. |
| HCUGI54 | 658 | 715310 | 1 - 154 | 15 - 168 | | | |
| HCUGI35 | 659 | 850046 | 1 - 280 | 15 - 294 | | | AF150363, U25791, and Z64124. |
| HCUGK10 | 660 | 850035 | 1 - 347 | 15 - 361 | | | AW131457, AI792578, AI054419, A720732, AI244356, AW008089, U95742, AL121603, U91326, AC002544, AC004019, AL022476, AC005527, AC005668, AL034420, AC005670, AC008044, AC007216, AL031255, AL133245, AP000501, AC005971, AC006486, AC003104, AC010169, Z97205, AL022336, AC005484, AC005529, AL109985, AC006948, AL096791, AC003101, AC002312, AC004967, AL121658, AC005031, AC002470, U80017, AL109827, Z81364, AC005921, AC005839, AF205588, AP000105, AP000037, AL049795, U47924, AL117337, AP000354, AC002369, AF190465, AL031670, AF134726, AC005291, AC006441, AC005399, AP000228, AC006241, AC007201, AP000140, AC003688, AC005800, AC004230, AC006312, AC006384, AP000275, AC006511, AC006538, AC007386, AL021368, AL049776, AP000088, AC005482, AC006972, AC005412, AR036572, U91328, AC004655, AC006116, AC004526, AC005841, AC005539, AL049869, and AE000658. |
| HCUGK91 | 661 | 790218 | 1 - 135 | 15 - 149 | | | AI049931, AA133226, and AC007685. |
| HCUGL14 | 662 | 658467 | 1 - 313 | 15 - 327 | | | F33566, N71930, AL042753, AI888008, AI499094, AC002119, AC005772, AL031589, AF165926, AC006241, AC007676, AL031587, AC012599, AC005730, AL008582, AC005057, AC009248, U62293, AC005527, AC004686, U85195, AC006273, AL021154, AL035414, Z98051, AL133245, AE000658, AL096701, AL035684, AL050333, and AC002115. |
| HCUGL84 | 663 | 496491 | 1 - 304 | 15 - 318 | | | |
| HCUGM08 | 664 | 959488 | 1 - 364 | 15 - 378 | | | T63954, AA648150, AW438856, W04941, AW236344, H85059, AI016704, AA188665, AW277253, R44641, AA714586, AA593471, AI472075, R70333, AA297698, AA043218, |

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| | | | | | AA206629, AA078831, F01222, N54179, A1797901, A1797892, A1345717, A1287921, AL020997, U62293, AL035681, AC005057, AC005089, AC006285, AC016025, U80017, AC007919, AC005162, AL031848, AC004895, AC005081, AL034429, AB011134, AL031846, AC010209, AC004686, Z49236, AL049759, AL049539, AC005914, AL022320, AJ007042, AC006077, AL049776, AC006064, AC007191, AC005480, Z83826, Z99943, AL021808, AC004999, AL035684, AP000359, AC005387, AC005215, AC005058, AL021393, AL049874, AC002347, AC006001, AL035072, AC004859, AL031255, AL132987, AC001228, AC004817, AL031276, AC005837, AL008582, AC005210, AC004814, AC005411, AC005280, AL096712, AL121603, U02050, U82672, Z84480, AL035448, AL034379, U66061, AC004217, AP000252, AC000353, AP000555, AP000031, AB015703, AL121769, AC005520, AL133448, AL034430, AL133163, L48038, AC009516, AB007956, AL022326, AC004882, AL139054, AC004019, AC007160, AC005082, AP000134, AP000212, AC006501, AJ239325, AC004531, AL031431, AC020663, AC006486, AL049713, AC003029, AF064858, AR060394, AC005839, U62292, AC005399, AC004000, AL031005, AP000563, AL031666, AC005512, U82671, Z93020, AC005529, AC006047, AC000026, AC004887, AL109758, AC005231, AC004216, AC007151, AL132777, AC006211, U63721, U95742, AC002059, AL031311, AC004990, Z99127, AC002404, AL035398, AF165926, AC005887, AC005216, AL109628, AC005746, AC006111, AP000141, AC004526, AC005874, AF134471, AL021154, AC004841, AC003966, AC007308, AP000512, AL049869, AL049712, AP000558, AP000211, AP000133, AC003109, Z97054, AP000509, U95740, AP000556, AL121655, AC002470, AC005015, AC004520, AC004704, AL023879, Z74739, AC004057, AC005348, AL109839, AC002511, AB023049, AC010206, AF064866, AC005900, AP000088, and AC006479. |
| HCUGN12 | 665 | 970727 | 1 - 444 | 15 - 458 | AA702118, AW381452, W95006, W95007, and AC002375. |
| HCUGO02 | 666 | 920154 | 1 - 340 | 15 - 354 | AA127364, AC004033, AC005500, AL049856, AC007731, Z98941, AC002477, AC006088, AC002390, and AL021391. |
| HCUGP83 | 667 | 850029 | 1 - 206 | 15 - 220 | AC002559. |
| HCUGQ16 | 668 | 917269 | 1 - 343 | 15 - 357 | Z54621. |
| HCUGQ18 | 669 | 666474 | 1 - 353 | 15 - 367 | A1686509, A1670941, A1380740, A1652572, A1810486, AA251386, and AF070587. |
| HCUGR38 | 670 | 706471 | 1 - 332 | 15 - 346 | |
| HCUGR82 | 671 | 916538 | 1 - 425 | 15 - 439 | AA492380. |
| HCUGT92 | 672 | 692730 | 1 - 349 | 15 - 363 | |
| HCUGU46 | 673 | 666815 | 1 - 200 | 15 - 214 | |
| HCUGV38 | 674 | 850032 | 1 - 361 | 15 - 375 | R96187, AA327572, R96188, AA582056, AW084237, A1791180, A1821138, AA508578, AW194802, A1623499, AA649148, A1932902, AA707289, AA669816, H54292, A1889612, A1623423, AA573189, AL041364, AA085863, AA380599, AA357240, AA078084, AA594725, A1926366, N54179, A1446638, T61853, A1660594, AA365144, AA584749, A1124660, AA650135, AA864575, AA806762, AA524668, A1863399, C14600, A1064952, A1963720, AA516326, |

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| HCUGV60 | 675 | 496443 | 1 - 412 | 15 - 426 | AA351926, AA947837, AA826144, AL046409, AA078483, AI345161, AW021917, AA525915, AA483043, AA708213, AA167741, F31799, AW150689, F37223, AA715606, AI678392, AI110770, AI453233, AW274064, AI613280, AL041450, AW194267, AC006001, AC004209, AL031286, AC004477, AL049795, AC007637, AC004491, AP000289, M15958, AC003010, AP000042, AP000110, AC005332, AC004383, AL078584, AC007376, AC004985, AC002364, AC004216, AC005778, AC002984, AC007686, AC002527, AL049869, AC006285, AC007011, AC016025, AP000514, U95740, AC002996, AL031985, AL022328, AC005632, X87344, Z84487, AC002350, AC004134, AC007564, Z84469, AC004000, AP000502, AC004217, AL050343, AL117694, AC006251, AC002365, AL031594, AC005006, AC004020, AC006088, AC006430, AC006538, AC005224, AC002301, AC007685, AC005261, AC002331, AL031311, AL031685, AC003108, AC008124, AC003037, AC005736, AF134726, AC005996, AL117352, AC004770, L78810, AC004448, AC005488, AC005072, AC005015, AC004968, AD000092, AL031584, AL022339, Z99716, AC004552, AC003663, AC002041, AJ011930, AL133353, AC005104, AL049872, AF001549, AP000065, AC005229, AF196779, AC005971, AC005932, AF030453, AC005089, AC005666, AC005258, AC004938, AL121653, AC004019, AC005041, AC005088, AL049766, AC006597, AC005722, AC005067, AC005513, AC007056, AL034554, AC006014, AC007298, AC003070, AC004125, AC003983, AC007690, AP000557, AC007050, Z82178, AC002132, AC004983, AL031587, AC005899, AL121655, AL121603, AP000113, AP000045, AC005379, AC005755, AL034548, AL078621, AC005187, AC005252, AL035530, AC002126, AL022329, AC007541, AC005747, AC004910, AP000167, AP000052, AP000692, AL049643, Z93017, AC008115, AC003689, AL121852, AL133448, AL049759, AL139054, AL121748, AC006372, AC007731, AP000556, AF001548, AL031010, AL049758, AC003007, AL031589, AL031729, AC004253, AF024533, AL133382, AC005288, AC005184, AC007666, AC002352, AC004195, AP000553, AF031078, AP000116, AC007055, AC004841, AC005519, AC005414, AC004933, AC009464, AC005912, AC004815, Z82244, AP000211, AP000133, AP000049, AC006312, AL121694, AF030876, AC005081, AC008928, AL049760, AL121652, AF053356, AC005230, AC005529, AC006480, AL035681, AC005231, AL049709, AC006006, AC007671, AC006050, AP000311, AC006079, AC004821, Z92540, AC005280, AC004531, AL049829, AL031427, Z98751, Z93244, AL022336, AC004859, AF091512, AC003026, AC003972, Z85986, AC004757, AC002400, AL049712, AL033527, AC004765, AL031053, AC005412, AC005158, D87009, AC005876, AC004099, AL031447, AC002425, AL035447, AL035400, AC005399, AC007214, AC005057, AB023048, AC012384, AL031767, AF139813, AC007276, AL050307, AC005037, AC006203, U52112, AC005914, U85195, AB020863, AL133355, AL031846, AL022326, AL117258, AC005531, AC007684, AC007227, and AC004492. |
| | 676 | 960596 | 1 - 257 | 15 - 271 | AC007964, AJ229041, AF020802, and AP000687. |
| HCUGW04 | 676 | 960596 | 1 - 257 | 15 - 271 | AI557735, AI541487, AI541489, AI526178, AI557747, AI541516, AI526200, AI557797, AI541491, AI557718, AI541501, AI526151, AI557724, AI557740, AW393605, AI526177, |

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| | | | | | | AI526179, AI541535, AI557789, AI541490, AI526127, V00124, V00125, J00032, J00030, J00036, J00034, J00037, J00038, AB010555, and AB010556. |
| HCUGY26 | 677 | 953550 | 1 - 480 | 15 - 494 | | T86914, R11217, H81306, AL035495, AC005325, AC004836, AP000350, and AC020663. |
| HCUGZ15 | 678 | 792418 | 1 - 363 | 15 - 377 | | AA580889, F35659, AI446464, AI064864, H29303, AA610491, AI792108, AI079129, AW274349, AW303196, AW301350, W45336, R89436, AW338086, AA663306, AI886629, N27353, AA847997, T06652, AI872460, AA558227, Z81364, AL080243, AP000558, AP000557, AC009516, AC006016, AC007556, AP000556, AP000552, AC008372, D87001, D88268, AC007021, AC005574, AC004741, AC006019, D87675, AC004614, AC005542, Z84487, AC004859, AF011467, AL031686, AC006441, AL035411, AP000141, Z75894, Z75895, AC004467, AC006313, AP000088, AC004814, AL031122, AC005071, Z98884, AF090944, AL008582, AC004702, AC004894, AL031662, AC005899, AC000035, AC005049, AC004821, AC005690, AC004448, AC007934, AC005971, U95743, AL109963, AL024474, AP000104, AP001052, AC006925, AC006211, Z49236, AC006561, AC002369, Z84480, AC002456, AJ010598, AL031276, Z98052, AC002981, AC005531, AL035695, AL079340, AL031666, AL049856, AC006600, AL109847, U66059, AC004841, Z85987, AL133245, D86999, AC000090, AC006292, AL050332, AC006203, AF111168, AL023713, AC008984, AC004777, AL031767, AL022337, AC005799, Z84488, AC002289, AC002485, AC010072, and AL078593. |
| HCUHA63 | 679 | 745094 | 1 - 296 | 15 - 310 | | AA494014, AI628859, AL041352, AW002330, AL035249, AC009247, AL121757, AC006057, AL121769, AC004217, AC004134, AL050341, AC006449, AC004143, AC005284, AC002369, AC005351, AC000120, AC005206, AC005667, U80460, Z83822, AC006315, and AC002128. |
| HCUHA74 | 680 | 576850 | 1 - 434 | 15 - 448 | | AA629699, AP000346, AP000347, AL021368, and Z79145. |
| HCUHB30 | 681 | 850018 | 1 - 438 | 15 - 452 | | AW440928, N58862, AA613460, and Z97989. |
| HCUHC25 | 682 | 920830 | 1 - 305 | 15 - 319 | | W39262, AI797360, and AI823657. |
| HCUHC41 | 683 | 712343 | 1 - 354 | 15 - 368 | | Z98036. |
| HCUHC45 | 684 | 671212 | 1 - 354 | 15 - 368 | | |
| HCUHC69 | 685 | 693007 | 1 - 189 | 15 - 203 | | |
| HCUHD50 | 686 | 650854 | 1 - 398 | 15 - 412 | | |
| HCUHD55 | 687 | 705384 | 1 - 479 | 15 - 493 | | AW419262, AI284640, AW238016, AI053672, AA559290, AA077776, AI536625, AA837771, AA614069, AI653886, AA365302, AW021917, AW419389, F32926, AI499938, F24728, AI926233, AI761471, AI299050, AI334443, AA167741, AA302963, AA489775, AW023111, AA526724, AA843450, AI915081, AI357823, AA652057, AA346586, R67701, AA804379, AA528500, AA973803, T80500, AW248940, AI185394, AI754291, H67172, AI561116, R91994, AL046746, AA486820, Z23147, Z61362, AC004126, AL109627, AL031255, AC006948, AC000134, U02058, AC005482, Z99755, AC006270, Z82244, AC006057, AC006125, AL031281, X54176, AL133353, AL031732, AC004526, X54181, X54178, AC006511, AL031432, I34294, AP000115, AC005317, AC002492, AC002316, AC002990, Z84476, AC005747, AC005291, AC005378, AC006070, AL035659, U89337, AL031055, Z84488, AL135744, AL031587, |

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| HCUHE23 | 688 | 675910 | 1 - 314 | 15 - 328 | AA127426, AW023990, AA080866, AL031591, Z97056, AF131217, AC005512, X60653, |
| HCUHE31 | 689 | 693311 | 1 - 340 | 15 - 354 | AC004858, AC016831, AL096703, AF165147, AP001052, AC006088, AC005031, AC004084, AC005281, AC008132, AL031542, AC004999, U80017, AC005920, AF087913, AC005180, AF200465, AC005242, AC005189, AC007686, AC005908, AC005529, AL035422, AC005829, AC002477, AC008018, AC006064, AL050332, AP000493, AC008033, AC000025, AC004972, AB023049, AL035658, AC005695, AL096791, AP000555, AD000090, and AC006023. |
| HCUHE43 | 690 | 754187 | 1 - 314 | 15 - 328 | |
| HCUHE48 | 691 | 835917 | 1 - 397 | 15 - 411 | AI800436, AA746360, and AI800456. |
| HCUHE76 | 692 | 666599 | 1 - 319 | 15 - 333 | AC002492. |
| HCUHF12 | 693 | 970685 | 1 - 543 | 15 - 557 | AL023096. |
| HCUHF41 | 694 | 878528 | 1 - 529 | 15 - 543 | AI254913, AA547947, AW302080, AW302087, H82133, AA846952, AI932599, AA569661, AI082791, AL119691, AI253007, AI470239, AA507612, AI751216, AW303096, AW268291, T60681, AW410354, AI382825, AA491681, AI278972, AA569471, AI002941, AI923333, H90844, |

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| HCUHH14 | 695 | 658452 | 1 - 197 | 15 - 211 | AI695562. |
| HCUHI34 | 696 | 923803 | 1 - 503 | 15 - 517 | |
| HCUHI54 | 697 | 720378 | 1 - 311 | 15 - 325 | |
| HCUHI12 | 698 | 970782 | 1 - 205 | 15 - 219 | AL031708. |
| HCUHI15 | 699 | 577304 | 1 - 418 | 15 - 432 | AC003007, and AC005632. |
| HCUHI30 | 700 | 966583 | 1 - 568 | 15 - 582 | |
| HCUHI58 | 701 | 575796 | 1 - 387 | 15 - 401 | |
| HCUHM44 | 702 | 615198 | 1 - 95 | 15 - 109 | |
| HCUHM61 | 703 | 576561 | 1 - 472 | 15 - 486 | |

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| HCUHM94 | 704 | 736095 | I - 250 | 15 - 264 | AC002302. |
| HCUHO60 | 705 | 576563 | I - 258 | 15 - 272 | AP000313, AP000193, AP000050, and AP000117. |
| HCUHP20 | 706 | 669737 | I - 384 | 15 - 398 | AA122006, AA122007, AI733856, AI753365, AI254779, AW419262, AL039187, AI017251, AW274078, AA482711, AA584489, AI634187, AI862716, AW193493, AA527209, AA503019, AW117740, AW069227, AW271069, AA610509, AA410788, AW162049, N73060, AA579179, AI929531, AA634837, AA315361, AA574442, AI250552, AA742815, AI284543, AI457313, AI912401, AI040051, AI079901, H30475, AA483606, AL079734, AI254770, AA287570, AI251284, AI251034, AI251203, AI223626, AI249853, AA652868, AA570740, AA613627, H47736, T50676, AW029038, AI679413, AI380617, AI569086, AI004591, AI469599, AA856961, AA582554, AA228778, AW167154, AI821044, AA255853, AA904275, AL120343, AW067788, AA513846, AI079423, AI475611, AA904211, AI962050, AW068007, AI885572, AI908093, AI623805, AW302048, AI564209, AI338426, AI365988, AI687206, AI653886, AI053978, AI884522, AI339850, AI570261, AA019973, AI270476, AA558366, AA568204, AA013168, AI276298, AA569706, AW406755, AW068008, AI358229, AW166815, AW004884, AI866580, AI732120, AW089950, AC000353, AF024534, AC007666, AC005086, U91321, AC005291, AC005678, AC002126, Z82203, Z95152, AC006211, AP000510, AC004895, AC005071, AB023048, AC004417, AC005412, AC005531, AC002070, AC004099, AL034351, AC005102, AL117340, AL035450, AC006312, U63721, AC006511, AC007193, AC005411, I34294, AC006314, AC007199, AC005484, AL109627, AB003151, AL031680, AC004797, AF109907, AF111168, AC007395, Z84480, AC009247, AC007686, AL139054, AC005777, U82828, AL023803, AC005837, AF196969, AC006084, AC005800, AC005225, M87914, AP000556, AP000557, AC005722, AC004253, AC005971, AC005274, AF085946, AC006088, AL049830, AL035658, Z97054, Z85986, AP000289, Z84466, A39972, AC005520, AP000042, AP000110, AC005736, AC004999, AC002312, AC005089, AL031281, AC005237, AL031282, AL109865, AP000688, AL034418, AL049749, AC003047, AC005081, AL121603, Z98946, Z84487, AP000501, AL121652, AL021546, AC004477, AC004491, AC004953, U95739, AL049843, AC004890, AC002519, AF015160, AC000087, AL096791, AL033392, AC003111, AL035458, AF134726, AL035587, AC004517, AC004973, S75201, AC006947, AC007225, AC005015, AF045555, AC006538, AC004686, AL021391, AL049874, AL022165, AC002310, L78810, AC005220, AF196779, AC007551, AC005075, AC004263, AL035682, AP000694, Z98048, Z94801, AC012627, AC006597, AL035415, AC005859, AC005696, AB001523, AC004812, AC005300, AC004985, AC004841, AJ003147, AD000813, AC007065, AP000037, AC002297, AC004804, Z85987, AP001053, AC006581, AC007785, AP000211, AP000133, AC005037, AC005829, AC006121, AC016831, AC007845, AC006006, AC002563, AP000113, AP000045, AC003950, AL031685, AC004168, AL034420, AL049776, AC008545, AF165926, AC004884, AC005057, AF092858, Z77249, AC007226, AC004882, AC005529, AL133448, U96629, AC002565, Z98304, AC003043, AC004000, AC004234, Z83845, AP000088, AC005363, |

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| HCUHQ13 | 707 | 575803 | 1 - 352 | 15 - 366 | | AA460896, W72144, AA210943, N27422, AA496897, AL035413, and AL035249. |
| HCUHQ33 | 708 | 575800 | 1 - 341 | 15 - 355 | | AI281622, T95073, H52431, AC006077, AC005412, AC005911, AL033392, AC005736, |
| HCUHQ37 | 709 | 850010 | 1 - 386 | 15 - 400 | | AL031291, AC005529, AL109963, AC005049, AC005071, AC005089, AC005899, AC006111, AC005520, AC004491, AL133245, U91326, AC005015, U91323, AL023807, AC006261, AC006487, AC005295, AC008372, AC009247, AC005874, AF134471, Z93244, Z93930, AC003108, AC004938, AC002404, AC004882, AC005081, AC006312, AC003070, AP000514, AL096701, AC005255, AL049776, AP000692, AL020997, AF165926, AC005544, AC005332, AC007537, U95742, AC005399, AL096678, AL049795, AL022318, AC007205, AF196971, AC005225, AF124523, AC004814, AC006449, AC007263, AC009516, AC005088, AL109827, AC004139, AC004098, AC002429, AL049869, AC005722, AC002544, AC005527, AC006538, AC004922, AF118808, AL031311, AL035422, AL022323, L78810, AC007055, AP0000952, AC007993, AL109627, AC005280, AC005881, AP000045, AP000113, AC005921, AL135744, AP000556, AP000502, AC004876, AC003109, AC005932, Z99716, AD000092, AC007226, AL031447, AC005480, AF111168, AC005694, AC007216, AC004893, AC002565, AL139054, AL031587, AP000512, AC002310, AC004596, U85195, AF134726, AP000557, L47334, AC005207, AC000353, AC007193, AC002550, and T97461. |
| HCUHQ74 | 710 | 765638 | 1 - 341 | 15 - 355 | | AW020154, AW245057, AW023511, AA365318, AI648433, W63553, AA643451, AA659200, N62666, AA559166, AA171892, AI086039, AA584756, AW029444, AA633039, H43183, AI049504, AA643441, AI628245, AA330380, AI890753, AI635819, AA230155, AW130427, AI733748, AA278496, AI732430, AI049986, AA126763, AA126811, R63003, AL134330, AA993198, AI753365, AI922850, AC005701, AC005777, AC004242, AL031668, AP000113, AC003982, AL022336, AC006480, AL022324, Z83843, AC007057, AL022302, AC004386, AC007308, AC005932, Z97183, AC004382, AP000512, AF037438, AC005295, U91326, AL008639, AC002470, AL121825, AL049759, AC007192, AB023051, Z82194, AL049569, AC016027, AL020993, AP001046, AC006165, AL031276, AC005756, AC016830, Z97054, AP000354, AL022329, AC006441, U18671, AC007136, U37761, AC005874, AF134471, L34079, AF129756, AC005488, AL109801, AC006487, AC005081, Z99716, AE000660, AC006077, AC004467, AP000303, Z98941, AP000349, AC005412, AL031311, AC005529, AC002477, |

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| HCUHS19 | 711 | 566809 | 1 - 280 | 15 - 294 | R44293, R40978, H24231, A1678013, T65857, F01849, AW177822, AW177816, AC006537, AC000353, AC006512, and U73166. |
| HCUHS60 | 712 | 850009 | 1 - 272 | 15 - 286 | |
| HCUHT21 | 713 | 577265 | 1 - 122 | 15 - 136 | AI207507. |
| HCUHT56 | 714 | 722649 | 1 - 447 | 15 - 461 | AA459655, AC006125, AF196779, AC002425, AC005529, AP000511, AC005778, U96629, AL049576, AC005924, AC007688, AC009294, AL022726, AC005726, AC006538, AC004084, AL008730, AL021155, Z98036, U93305, AC004685, and Z99716. |
| HCUHU68 | 715 | 577795 | 1 - 212 | 15 - 226 | Z98883. |
| HCUHW54 | 716 | 730716 | 1 - 100 | 15 - 114 | |
| HCUHW59 | 717 | 739329 | 1 - 164 | 15 - 178 | AW275339, and AI879909. |
| HCUHY49 | 718 | 577887 | 1 - 288 | 15 - 302 | |
| HCUJA48 | 719 | 721719 | 1 - 470 | 15 - 484 | |
| HCUJ35 | 720 | 713818 | 1 - 490 | 15 - 504 | U91320. |
| HCUJL80 | 721 | 577172 | 1 - 100 | 15 - 114 | AC005200. |
| HCUJM51 | 722 | 725724 | 1 - 441 | 15 - 455 | AI821342, T65972, T62955, AL039515, AI820553, AW272389, AA135761, AI969090, AA197089, AI581006, AA955031, AA558488, AI889177, AA340581, AI250333, AI310787, AI310670, AI349130, AI857834, AI174827, AA525156, AA525331, AA507623, AW366198, AW008217, AI150934, AI590442, AA493546, AA809104, AI821945, AI733856, AW192518, N35135, AA598605, AI090377, AW069227, AI049504, AA714389, AI309943, AI754037, AC004893, AC004859, AC003689, AL109798, AC005484, AL096791, Z85986, AC005725, AC006539, AC005529, AC005913, AP000501, AC006241, AC005225, AL022322, AC005828, |

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| | | | | | AL135960, AJ131016, AP000503, AL031277, AC005046, AC005832, AC004695, AC007225, AP000356, AC004707, AP000085, U95740, AL034549, AL049569, AC002314, U91327, AF134726, AL049872, AC004890, AP000359, AC005632, AC003103, AL121653, AC002395, AC005768, AL033397, AC010205, AC002312, AL021407, Z84484, AC000379, AL133353, AC005071, AC009498, AC006450, AL034420, AC006251, Z83826, AL122020, AP000692, AC002300, AC005377, AC005033, AC004884, AC007376, AL035400, AC007226, AF001975, AL117338, AF064863, AL031283, AL049694, AC007327, AL031985, AF123462, AL009172, AC005839, U91323, AC004953, AF117829, AL133247, AP000038, AP000106, Z98884, AL034379, AC005538, AC004079, AP000350, AC006544, AC009247, AL031733, AB023048, AP000049, AC004099, AL031427, AC004990, AP000311, AL009179, AC004996, AC005231, AC004386, AC000052, AC004019, AP000347, AC004882, AC006946, AL022328, AC005048, U95742, AC007100, AL034371, AC000025, AC004263, U82828, AC003065, AC007216, AL121754, AC005011, AC004381, AP000337, AC006063, AL133448, AC006055, AL031431, AL109952, AL109623, AC009330, AL023575, AL035691, AL020997, AP000047, AC005015, AC005412, AC006530, U96629, AL049757, AF109907, AF111169, AC004087, AL132712, AL132777, AL035420, AL135745, AL031005, X98745, AF001548, AP000355, AL078463, Z74617, AC006487, AL031311, AL133485, AC004984, AL022163, AF069291, AC005369, AC005288, AL024498, AC007240, Z82215, AC005154, AP000151, AC008033, AC002470, AC004106, AC004084, AL049869, AC007736, AC004230, AC006121, AC004967, AC002369, AC007671, AC004975, AL031281, AL031670, AL035681, AC004134, AC006538, AC006064, AC004584, AC007227, AP000115, AC006001, AC003086, AC006443, AC002418, Z83840, AC005527, AL121655, AC007066, AC006430, AC004815, AL022316, AC002073, AL021155, AC004966, AC005808, AC003006, AC004638, AL109628, AC002991, AC002326, Z99128, AL080243, AP000514, AC004531, AC009542, AC006130, AC000353, AL035249, AC004383, AC004662, AC003043, AC007934, AC002039, AC004041, AC005202, Z97632, AC002543, AP000505, AF053356, AL031291, AC005736, AL031680, L4140, AC007055, AC004897, AC005899, AL133163, AL022721, AC005480, AC005747, Z83843, AB020864, and AC005823. |
| HCUIN18 | 723 | 666537 | 1 - 273 | 15 - 287 | |
| HCUIO82 | 724 | 883812 | 1 - 323 | 15 - 337 | |
| HCVAC18 | 725 | 889480 | 1 - 219 | 15 - 233 | |
| HCWAA20 | 726 | 669991 | 1 - 108 | 15 - 122 | |
| HCWAB01 | 727 | 921689 | 1 - 320 | 15 - 334 | AW070506. |
| HCWAB44 | 728 | 669714 | 1 - 313 | 15 - 327 | AA584207, AL031680, AC007688, AP000692, AC004910, AC005088, AC004491, AB003151, AC005071, AC005015, AL022326, AC005409, AC005081, AL020995, AP000688, AC006468, AC005768, AC009247, AL109839, AC012384, AF053356, AC005179, AP000167, AP000052, and AL031848. |
| HCWAB50 | 729 | 724684 | 1 - 139 | 15 - 153 | |

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| HCWAB56 | 730 | 507283 | 1 - 311 | 15 - 325 | |
| HCWAB67 | 731 | 529658 | 1 - 112 | 15 - 126 | |
| HCWAB80 | 732 | 959937 | 1 - 415 | 15 - 429 | AA654766, AC005874, AF134471, AC005211, AC008044, AF030876, U52112, Z97054, and AF031078. |
| HCWAB92 | 733 | 523447 | 1 - 238 | 15 - 252 | |
| HCWAC68 | 734 | 529653 | 1 - 321 | 15 - 335 | |
| HCWAE16 | 735 | 660280 | 1 - 156 | 15 - 170 | |
| HCWAE50 | 736 | 655130 | 1 - 211 | 15 - 225 | |
| HCWAF02 | 737 | 920993 | 1 - 711 | 15 - 725 | |
| HCWAF45 | 738 | 723452 | 1 - 322 | 15 - 336 | AI271873, AA834816, AI053939, AW382603, AW021847, H72269, AA079260, R81017, R62710, T58562, AI003068, AA507623, AA525818, AA533660, AA515048, AI826857, AC003957, Z93023, AC005837, AC007182, AC005245, AC005933, AC004771, AC005914, AC005695, AC005102, AC003685, AP000497, AC004031, AC004132, AC003678, AL008582, AL109952, L78833, AL021546, AC005014, AL049776, AP000694, AL096701, AP000279, AL008722, AP000038, AP000106, AL078644, AC006484, AC007542, AC005899, AC003003, AC006581, AC007066, AC004890, AL096678, AF196779, AC006417, AC007192, AP000502, AL050333, AC007057, AL049872, AC005399, AL035249, AL021878, AP000116, AP000103, Z97056, AC003041, and AC002476. |
| HCWAF60 | 739 | 523354 | 1 - 301 | 15 - 315 | R91062. |
| HCWAF80 | 740 | 529498 | 1 - 286 | 15 - 300 | F02374. |
| HCWAG20 | 741 | 839796 | 1 - 299 | 15 - 313 | |
| HCWAG70 | 742 | 529357 | 1 - 352 | 15 - 366 | |
| HCWAH52 | 743 | 574929 | 1 - 235 | 15 - 249 | AA812265. |
| HCWAI93 | 744 | 523536 | 1 - 330 | 15 - 344 | AW134548, AA649218, AF022655, and AF049105. |
| HCWAJ55 | 745 | 529361 | 1 - 68 | 15 - 82 | |
| HCWAJ58 | 746 | 740987 | 1 - 351 | 15 - 365 | M77919, and AL109984. |
| HCWAK51 | 747 | 751640 | 1 - 297 | 15 - 311 | AA837325, AI679390, AI679898, AA808982, AA971196, AA112924, AA856815, AA207147, AW408063, AI298079, Z97630, AC005921, AC006597, AP000030, AC004882, AC002477, AC005529, AP000163, AL121658, AL031602, AC004531, AC005071, AC004856, AC009516, S42653, AF109907, AB026898, AC004638, AC006449, AC005899, AC004831, AC007546, AL049697, U95742, Z86090, U52112, AL031005, AL031767, AP000501, AC007066, Z98946, AC005089, AC002527, AL034420, AC005846, AC005231, AC007216, Z81369, AC006581, AB023054, AC005696, Z84469, AC005768, U95741, AL033397, AL109628, AL109865, AC004770, AL079295, AL133238, AC005488, AC008124, AC006509, Z97876, AL031733, AC005971, AC008372, AC007055, AC005663, AC006445, AC004491, AC004019, U95740, AC007041, AC005695, AC004526, AC004851, AL022238, AC004801, AJ246003, AL022327, |

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| | | | | | AL109627, AC004854, AC005940, AC006041, AC007687, AC004808, AL035695, AC004841, Z99496, AC016027, AC005519, AL022336, AL022165, AC005911, AL035659, Z97181, AL030996, AF111168, AC004796, AL031685, Z49236, AL109801, AC006965, AC007743, AL035070, AC005730, AC004520, AC005914, AL049694, AC005328, AP000495, AC004693, AL031003, AL049759, U85195, U95739, AC004797, AP000304, AP000047, AP000115, AL049710, AF165926, AC004813, AL021578, AC006277, and AC005821. |
| HCWAK80 | 748 | 702435 | 1 - 470 | 15 - 484 | |
| HCWAL14 | 749 | 861958 | 1 - 332 | 15 - 346 | |
| HCWAL22 | 750 | 579046 | 1 - 468 | 15 - 482 | AC005327. |
| HCWAL39 | 751 | 861893 | 1 - 330 | 15 - 344 | |
| HCWAM08 | 752 | 960170 | 1 - 95 | 15 - 109 | U95742, AC007216, and AC007226. |
| HCWAM39 | 753 | 529349 | 1 - 170 | 15 - 184 | |
| HCWAM49 | 754 | 849980 | 1 - 495 | 15 - 509 | |
| HCWAN17 | 755 | 966646 | 1 - 684 | 15 - 698 | AA630456, H38769, AI581223, AI003797, AL037777, H65697, AW161459, AW161879, AI191343, AA936548, AI473671, T90477, AA743968, AA299422, AA361354, AI570380, AI733856, AL047645, T94072, AA715891, AI287766, AA292719, H24953, AI054414, AW007424, AA501781, AA526424, AA577824, AA456149, AI684335, AA811150, AA654849, AA669320, AA493657, AA380781, AI866580, AA640495, AI049630, N87333, F31203, H47208, AA064978, AA678976, AA745628, AI357109, AW084100, AI308598, AW029515, AI683116, AA133013, AA714338, AA584525, AI473995, H94979, AI247101, AW022796, AF092853, AF092850, AC006160, AC005412, AC004929, AC005872, AL008636, AP000353, Z75407, AF092851, AF195658, AC002040, AC006262, Z98200, AL023513, X58139, Z54246, AC006480, AF191069, AF007563, AL121754, AC005620, AL096766, AC006530, AP000144, AC004773, AP001067, U85195, AC004990, AL031005, AC005480, AE000658, AP000313, AL034418, AC004475, AC005829, AP000194, AC006323, AL096701, AP000555, AL049569, Z84469, AL049780, AP000116, AP000050, AF196969, Z99297, AC006449, AC006050, AP000229, AP000151, AP000043, AP000117, AC005696, AC006021, AP000049, AC004851, AL034553, AC002316, AL022158, AL109952, AC005197, AP000311, AC002390, AL008718, AC007191, AL030996, AF132033, AP001068, AC003048, AC005233, AL034548, AL049779, AL035079, AC004651, AC003663, AF130343, AC002504, Z93024, AL031597, AL122023, AL121748, AL023799, AC000066, AC005231, AL035691, AL117258, AJ251973, L22968, AC005544, AC004760, U52112, AL024498, Z98304, AP000010, Z85999, AL109967, AC005803, AC006251, AC004262, AB014088, AB033024, AC005037, AC002314, AC007488, D89927, AF106656, AC005178, U63630, AC005192, AL022326, AB000876, L34079, AP000506, AC002045, AB000882, AB020868, AC006241, AC003670, Z98747, AF143316, AC007204, U96629, AC007263, AJ011930, AL121577, AL021939, AC005280, AC007193, AP000115, AC002375, U52111, AL049835, AC006538, AC004492, AC005820, AC004923, U02047, AC003992. |

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| | | | | | AC004953, Z98751, AC006088, AC005690, AL022238, AL022399, AC004819, AL021451, AC005625, AP000493, Z94161, AL121825, AC002468, AC004815, AC006130, AC004703, AL023803, S65785, AL035703, AL133035, AL021453, AL109798, AL023584, AC006529, AC006576, AL031295, AL009181, AL096801, AC005004, Z82212, AC004202, AC002425, D64108, M19508, AB009668, A1012008, AL008716, AC005264, AC020663, Z99127, AP000314, AL031767, AP000502, AC007011, AL049843, Z93244, AC004638, AC008123, AP000557, AC005006, U91326, AL031277, AC006359, AC002039, AC005952, X96421, AP000694, AC004539, AL035664, Z73963, M90058, AC007270, AC005196, AL078581, AC005049, U47924, AC002306, AL030998, AC004876, Z97353, AF134726, AC004841, AC002091, and AL035462. |
| HCWAN55 | 756 | 928116 | 1 - 375 | 15 - 389 | |
| HCWAP63 | 757 | 523259 | 1 - 409 | 15 - 423 | AL022067. |
| HCWAP66 | 758 | 889439 | 1 - 303 | 15 - 317 | AI216990, AI076729, AC007381, and AF109907. |
| HCWAR05 | 759 | 932623 | 1 - 397 | 15 - 411 | |
| HCWAR59 | 760 | 916461 | 1 - 687 | 15 - 701 | |
| HCWAR63 | 761 | 523255 | 1 - 392 | 15 - 406 | |
| HCWAR76 | 762 | 529652 | 1 - 488 | 15 - 502 | |
| HCWAR84 | 763 | 529241 | 1 - 199 | 15 - 213 | AC005820. |
| HCWAT16 | 764 | 523125 | 1 - 326 | 15 - 340 | |
| HCWAT59 | 765 | 529236 | 1 - 339 | 15 - 353 | |
| HCWAU26 | 766 | 849902 | 1 - 263 | 15 - 277 | |
| HCWAU89 | 767 | 589836 | 1 - 333 | 15 - 347 | |
| HCWAV75 | 768 | 849976 | 1 - 396 | 15 - 410 | |
| HCWAY41 | 769 | 542388 | 1 - 336 | 15 - 350 | |
| HCWAZ16 | 770 | 529227 | 1 - 328 | 15 - 342 | |
| HCWAZ43 | 771 | 849892 | 1 - 496 | 15 - 510 | |
| HCWAZ66 | 772 | 523243 | 1 - 434 | 15 - 448 | |
| HCWAZ73 | 773 | 523299 | 1 - 284 | 15 - 298 | AI720968. |
| HCWAZ91 | 774 | 529226 | 1 - 443 | 15 - 457 | |
| HCWBA18 | 775 | 529224 | 1 - 179 | 15 - 193 | |
| HCWBA21 | 776 | 937631 | 1 - 394 | 15 - 408 | T59362, and T59390. |
| HCWBA49 | 777 | 723359 | 1 - 327 | 15 - 341 | AI695904, AI652833, and AC005576. |
| HCWBA50 | 778 | 835532 | 1 - 326 | 15 - 340 | |
| HCWBA55 | 779 | 529222 | 1 - 296 | 15 - 310 | |
| HCWBA64 | 780 | 715579 | 1 - 265 | 15 - 279 | |
| HCWBB27 | 781 | 967045 | 1 - 392 | 15 - 406 | AI709174, AI932902, AA078084, AW194802, H54292, AA085863, AI889612, AI623423, AW236342, AI268812, AA563770, AA573189, AA252763, AI824562, AA526779, AA669816, |

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| | | | | | AA846935, AW190760, AA917683, AI282336, AI889440, AL042756, AI537030, AA176605, AI291124, AI312149, AA515224, AA179706, AI291268, AW270258, AA604514, AW008212, AP000689, AC005808, AC005969, AL023553, AC012627, AL023575, AL033376, AC006312, AL109654, Z84721, AC007066, AC006360, AC005304, AC002400, AC005480, AL078581, AL031985, AC005004, AC005682, AC005317, AC002312, Z84487, AC007537, AC005206, AC005358, AL136295, AF053356, AC004087, AC002316, AC002558, AC002319, AC006241, AC003663, AC005011, AC005667, AC002310, AL049745, Z93930, AC007055, AC006040, AC005412, AC005015, AC005399, AC005519, AL021939, AC007934, AC006211, AL031848, AF003626, U91326, AC012384, AL096763, AL117354, AC002302, AF207550, AC004263, AC005041, AC003982, AC007151, AL031666, AC002072, AL031662, AC000052, AL008582, AL049759, AL121655, AC005324, AC004966, AL121603, AP000359, AC007263, AC007666, Z83826, AL035422, AC002350, AC006449, AC007536, AF111167, AC002544, AL031670, AC005081, AP000344, AC005516, AC003664, AC005756, AL008723, Z97630, AC007216, AC004076, AL022320, AP000552, AC006953, AC006160, AL009181, AP000350, AC005379, AP000355, AC007707, AC002984, AC004254, AC006430, AJ246003, AL022336, U85195, AC005069, AL049869, U07563, AL133448, AL031587, AC005632, AC006450, AC007371, AC007050, AC005102, AL031584, AC004821, AL022312, AC005696, AL020996, U95740, AC005899, AC005562, AL022318, AC005874, AF134471, AL035681, AL021578, AC004972, AE000658, Z99716, AC004983, AC004752, AL022326, AC004019, AC002425, AL109627, AC009516, AF109907, AL021394, AC006571, AC007363, AL035521, AD000813, AC004540, L77570, AC004929, AC004000, AC005291, AC004383, AP001038, AC004963, AC004253, AC002565, AC004106, Z98051, AC006088, AC005844, Z94056, AC005104, AF001549, AL049776, Z93023, AL035405, AL031589, AF064861, Z83840, AL050321, AL080243, AC005747, Z84480, AC002430, AC005839, AL008635, AC004771, AL031281, AC004894, AB023049, U80017, AL031393, AL049712, AL121934, AC006539, AC018633, AC005878, AC004841, AC003950, AL109628, AP000512, AF111168, AC004560, AL121825, and AC007227. |
| HCWBB63 | 782 | 667283 | 1 - 332 | 15 - 346 | |
| HCWBC16 | 783 | 529350 | 1 - 208 | 15 - 222 | |
| HCWBC28 | 784 | 584778 | 1 - 341 | 15 - 355 | |
| HCWBC32 | 785 | 574909 | 1 - 361 | 15 - 375 | |
| HCWBC54 | 786 | 573188 | 1 - 331 | 15 - 345 | AF187320. |
| HCWBC61 | 787 | 728666 | 1 - 313 | 15 - 327 | R91175, AA347930, AA347927, AI431688, AA078849, AI690686, AA328169, R70333, AW238345, AA078869, F23239, AA364224, AA177120, F04987, R40056, AA843450, AI160117, AW088984, D29495, AA449523, H79261, AI561255, AA310868, AW272758, AI185122, N31557, R36315, AI679442, AI679952, AA449088, TS9509, AA704643, H78230, R77905, R96959, AW102849, AA347101, AA985357, AA581463, AA810283, AA338486, AI610376, F33566, |

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| | | | | | AA363989, N29578, AA809029, AA503258, AA605032, T93015, H96730, AA828042, AI633007, AA501809, R50197, H47539, AA603445, AL044858, AP000493, AL078624, AC020663, AL135744, AL049780, AC009405, AL049694, AL121595, AC005225, AC005829, AC004975, AC004526, AC006530, AC016830, AL031447, AC002985, AP000555, AC004919, AC004685, AC004972, AC005231, AC002395, AL049653, AL078614, AF111170, AC007050, AC005488, AF165926, AL022326, AC003982, AL035415, AL031587, AL035699, AF134726, AL031577, U95742, AC006285, AP000556, AP000557, U91321, Z98172, AP000567, AC003101, AC005544, AC016027, AC006441, AC007216, AC005747, AC005037, AL117498, AC004821, AC000026, AL035458, AL021918, AC004167, AC005821, AC005291, AC003002, AP000502, AL031665, AC008372, AC011311, AC007537, AL031767, AL049869, AC005355, AC006014, AC004185, AL021155, Z75407, AF124523, AC005081, AF111168, AC002070, AF048729, AC004678, AL034400, AC006011, AC002059, AC005245, AC007308, AD000092, AL031848, AC004150, AP000159, AC005772, AC007546, AJ246003, AC005740, AC002301, AC000085, AC005332, AC005015, AC003071, AC007676, AC004886, AC005324, L17418, AC004382, L44140, AL022329, AL133245, AL034420, AC005839, AC000052, AC002425, AC004596, AL096701, AC002303, AC006458, Z81308, Z95331, AL133243, AC006080, Z49236, Z99754, AC004825, AL031255, AC005500, AP000509, AC007536, AL132992, AF001549, AC004884, AC004491, Z93021, AC009275, AL109865, AC005874, AF134471, AC005776, D84394, AL049776, AC005326, AC005516, AL022315, AC007160, AB011134, AC006238, AL049811, AL035696, Z97634, AL118510, AC008394, AC006112, Z98051, AC007064, AC004963, Z75746, AC004262, AF205588, AC004890, AF196970, AL035587, AC004662, AL049830, Z99716, AL031295, AJ009610, AC002996, AC007199, U82668, U80017, Z75889, AC006487, AL034549, AL117351, AC006047, AC004659, AC002984, AC004777, AD001527, AC004019, AP001060, AL049825, AC005924, AL034451, AF196971, AC006540, AP001054, AC007066, and AC009516. |
| HCWBC69 | 788 | 849971 | 1 - 290 | 15 - 304 | |
| HCWBC71 | 789 | 784052 | 1 - 69 | 15 - 83 | AA827967, and Z93783. |
| HCWBC81 | 790 | 849974 | 1 - 248 | 15 - 262 | |
| HCWBD54 | 791 | 706513 | 1 - 238 | 15 - 252 | |
| HCWBE25 | 792 | 529216 | 1 - 127 | 15 - 141 | AF150169, and AF111167. |
| HCWBE37 | 793 | 542403 | 1 - 307 | 15 - 321 | Z54343, and AL109760. |
| HCWBE49 | 794 | 932196 | 1 - 406 | 15 - 420 | |
| HCWBE51 | 795 | 782317 | 1 - 418 | 15 - 432 | |
| HCWBE58 | 796 | 773587 | 1 - 161 | 15 - 175 | |
| HCWBE69 | 797 | 723717 | 1 - 435 | 15 - 449 | W45011, AI191804, AA773406, AA361071, AW402184, AA853510, AA314671, AW401537, AA345752, AA378756, AA346880, AA367230, AW405965, T80869, T72713, N23610, R19889, R94160, N55688, Z43415, R18379, W21269, AW403145, W19964, AA325636, AW401713, N57425, AA313360, N57316, W46199, AA670088, AA313277, AW160492, AW247594, |

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| | | | | | AL035943, AW245750, AL035940, AW247213, AL036958, T08768, AA340025, AA295206, W22826, W22385, AW363955, W40348, AW402954, AA377322, R12313, W17327, R58256, N87501, AW366672, AI034239, AA204793, AI033895, D31767, and AF085348. |
| HCWBE71 | 798 | 688011 | 1 - 393 | 15 - 407 | AC006465. |
| HCWBE76 | 799 | 968515 | 1 - 158 | 15 - 172 | AW450440, AW444820, and AW301590. |
| HCWBG06 | 800 | 954670 | 1 - 60 | 15 - 74 | AI440268, AA523203, AA523204, AI114755, AI160875, AA506952, AW019964, AW265274, AA368329, AI609972, AI753536, AI635677, AI690335, AA807704, AL047480, H40478, AW237905, AA551204, AA837771, AW029626, AI749306, AI888050, AL048002, AA351868, AI982994, AW341955, AI114645, AW263867, AL041895, AI453160, AI564294, AA831997, AA632765, AI471467, H87756, AA629939, AI348780, H43183, AI799421, N45056, AL042373, AW169469, AA320521, AA653291, AI378437, AI118998, AI750692, AA635433, AA683069, AA604797, AI800345, AA642289, AA207147, AI345394, AW023376, AA788904, W27084, N22501, AI671077, AI929298, AI929825, HI5241, AA670108, AA741301, AW007424, AA225100, AW157180, AA827383, AI537480, W96522, AI915068, AI114543, AW197926, AC004686, AC004242, AL031662, AC006312, AC005355, AC005189, AC005081, AL021917, AC005338, AC005736, AB023051, AP000512, Z83826, AP000501, AC007510, Z84481, AC007363, Z83838, AC007488, AC007225, AL079295, AL139054, U96629, AP000125, AC006549, AC005821, Z93023, AL031286, AL117694, Z82244, L13176, L77570, AF024534, AP000252, AP000098, AF064866, AC005969, AC005899, AC007285, AC005212, AP000515, AL133289, Z97832, AP000212, AP000134, AC002395, AC005772, AC005231, AC005183, AC007151, AC012384, AC002302, AC005911, AP000031, AF031078, AL136297, AC005940, AP000558, AC004253, AF029308, Z98036, AC005086, Z85996, AC004596, AF030876, Z98941, AC007688, AC005952, AL117391, AC005778, AC002347, AI246003, AC006070, AC005412, Z79997, AP001053, AL035405, AL035587, AC005972, AC004030, AC007387, Z97352, AL022336, AC004913, Z97053, AL078611, AC005902, AL049872, AC004531, AC004973, AC004813, AC005670, AL109984, U29953, Z97184, AL031284, AC002563, AP000014, AP000692, AF113694, AL117344, AC005839, L78810, Z98743, AC004779, AL031686, U55184, AL109628, AP000172, U62631, AF050154, AC012085, AP000057, AP000355, AC007617, AC007226, AL031311, AC006211, AL049692, AL008718, AC002400, AC005271, AP000502, AC005529, AC005358, AC002527, Z81369, Z95115, AC007025, AC005632, AC002425, AF111167, AC002350, AC006120, AL031985, Z98256, U91318, AL049631, AC000094, Z84484, AL022318, Z99716, AF053356, U43572, AC004912, AC007455, AC006111, AL121652, AL035681, AC000097, AL034451, AP000553, AL049845, AL009172, AC005181, AC006547, AC005218, AL035398, AC004611, AC005565, AL021391, AL022238, AC020663, AL035685, Z84483, AC004999, AC004967, AC002984, AF129756, AC003070, AL031123, AB014085, AC004187, AL031282, AC006571, AC003972, Z83844, AL050348, AL121603, AC007041, |

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| | | | | | AC002565, Y18000, AL009175, AC005049, AL031432, AL031003, AC009516, AL031276, AL096761, AC005695, AC004662, AD000092, AL049588, AC002045, AC002082, AL035610, AL023803, U80017, AC007731, AC007358, AL096775, AL096774, AC000118, Z98304, AC005031, AL109623, AL050341, AC005500, Z99943, AC004876, M84472, AL021546, AL13245, AC004834, AF106656, AL031846, AC004149, AL022719, AC003957, AL034553, and AP000331. |
| HCWBG40 | 802 | 676588 | 1 - 540 | 15 - 554 | AA046906, AA157876, AA047057, AA017583, AA019793, A1469089, AA661583, A1872229, H62123, AW150209, A1452836, A1521019, A1469485, A1567676, AW243817, N74555, AW117860, A1253347, AA587835, T03928, H68343, A1358505, AA557508, AW273201, AW273146, A1570067, A1819419, AA572813, H82594, AA768079, AA640305, AL050318, AC007537, AC007421, AC007637, AL096775, AP000512, Z98884, AC002126, AC005529, AP000501, AC000353, AL109758, AC006511, AC007536, Z83844, AF001549, AL050307, AC004031, AC004491, AC004922, AC003684, Z93017, AF053356, AC002470, AL121603, AC004000, AC004805, AC006449, AC005694, U95742, AC005399, AP000555, AC005274, AC012384, AB001523, AC007216, AC002544, AP000116, AC005399, AP000555, AC005274, AC012384, AC004686, AC004477, AC005632, AC005484, AC008372, AF134726, AC002039, AC005089, AB023051, AC005519, AC007055, AC006071, AL031295, AJ011930, AC004890, AC005067, AC002044, AC005971, AC004099, AC004659, AC004985, AC005695, AC004913, AP000114, AP000046, AC006487, AC004859, AC004876, AL020995, AC006125, AL031680, AL035072, AC005911, AC006344, AL031311, AL049694, AL031276, AF207550, AC007387, AC002425, AC004647, AL109984, AC005412, AC004878, AL050341, AC005231, AC007226, AL096703, AC004552, AC006241, AC004887, AC002310, AP000065, AC005829, AC007878, U91326, AC006130, AL021878, AC005358, AP000502, AC005913, AC004765, AC003086, AF001550, AC005531, U85195, AC004854, AF196969, AL078581, AP000088, AC006571, AP000133, AP000211, AC004983, AC007376, M63796, AC005037, AC000046, AL049759, AC000038, AE000658, Z98200, AC004019, AL031663, AL136504, AC005744, AC000025, AC005746, AC005015, AL096701, AL049795, AC004520, AL133246, AF196779, Z83822, AC004796, AL035659, AJ246003, AC006581, AC002418, AP000045, AP000113, AC006512, AL031681, AC005779, AL109952, AC004242, Z84469, AC020663, AC004929, AC016025, AL049780, AC005081, AP000302, AC003042, AB022785, AF111168, AC005180, AC006236, AL021918, AC007686, AC006273, AL031594, AC006121, AC005004, AC004386, AL021977, AL034371, AC002350, AL109628, AC006255, AF165926, AL049830, AL031733, AC002477, AF190465, AC004216, Z98742, AL008582, AP001046, AC005666, and AL009181. |
| HCWBG41 | 803 | 839014 | 1 - 283 | 15 - 297 | |
| HCWBG43 | 804 | 689743 | 1 - 197 | 15 - 211 | W60516, T39598, A1284640, AA557325, A1358229, AA916039, AW406755, AA513999, A110770, AA826303, AW074398, A1205126, AA551509, AW274349, A1625244, AW023672, AW265385, AA483034, AW303196, AW301350, AA720702, F35113, F36273, A1133164, |

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| HCWBG77 | 805 | 529229 | 1 - 279 | 15 - 293 | |
| HCWBG91 | 806 | 789318 | 1 - 118 | 15 - 132 | AA528467, AI865264, and AI267855. |
| HCWB117 | 807 | 954153 | 1 - 171 | 15 - 185 | AC002316. |
| HCWB124 | 808 | 529211 | 1 - 112 | 15 - 126 | |
| HCWB137 | 809 | 967717 | 1 - 335 | 15 - 349 | |
| HCWB153 | 810 | 934909 | 1 - 375 | 15 - 389 | |
| HCWB177 | 811 | 529238 | 1 - 217 | 15 - 231 | |
| HCWB190 | 812 | 921653 | 1 - 342 | 15 - 356 | |
| HCWB102 | 813 | 917300 | 1 - 408 | 15 - 422 | |
| HCWB127 | 814 | 784524 | 1 - 128 | 15 - 142 | |
| HCWB161 | 815 | 849967 | 1 - 320 | 15 - 334 | |
| HCWB166 | 816 | 529228 | 1 - 87 | 15 - 101 | AL022328. |
| HCWB175 | 817 | 935579 | 1 - 470 | 15 - 484 | AI809175, T53160, T53159, AA284460, AA995373, AI355246, AI634377, AI926393, AW089625, AA846923, AW008184, AA226356, AI283938, AI366180, AW272815, R67701, AI357762, AI434653, AA856815, W45274, N66775, AA084504, F35684, AI690379, AW104161, AI697239, AA526643, AI697242, AA558366, AI697235, AA535216, AA484022, AA555232, AA714110, AI473671, AW192419, AI869797, AI961983, AA584756, AI417469, AI859906, AA568314, AI753904, AI568376, AW419389, AA728874, AI927275, AA838161, AI932871, AL041375, AI800426, AI281818, AI431513, AA655037, AA181917, AI817658, AA558404, AA613850, AI678581, AI370170, AW020150, AI521525, AI689198, AA654464, AI537368, AI858889, AA582746, AI053398, AA491423, AW303872, H71678, AI687972, AA297961, AW249660, AA290570, AI299442, AA610433, AI538236, AW265688, AA581240, F09357, AA601712, AI270647, W72860, AI888298, AI491765, AA642809, AW028950, AA515048, AW238341, AA115865, F30158, AW019964, T47138, AI926102, AA488687, AI612724, AI476460, AA523695, AA814503, AC005274, AC008072, AC002316, AC003663, AC004139, AC004884, AC012384, AC005288, AL022165, AC005291, AC005082, AC002554, AL008718, AL022162, AP000466, AC002504, AL035587, AC002430, AL035460, AL049776, AC007298, AC005914, Z82203, AC007384, AC005369, AC002404, AI135960, AI131016, AC003687, AC003046, AC007536, AC002302, AL109827, AC005046, AP000156, AC004448, AP000501, AC007055, AC002378, AC004242, Z93023, AL049539, AC006312, AP000555, AC008040, AL133312, AL109653, AC005393, Z98304, AC005280, AL049780, AL133448, AP000033, AC004263, AC006011, AL049872, AL031055, AL022163, AC006441, U78027, AL133245, Y18000, AL109984, Z84474, AL022398, AL031777, AL035422, AC005624, AL022319, AC004882, AL035405, Z93241, AL031005, AC002477, L43411, AL031293, AL031121, AF178030, AC005058, AC004841, Z98048, Y10196, AL109618, AC004801, AF222686, AJ246003, AC006581, AC007151, AP000014, AC004686, AC005920, AL133275, AL049576, AC003108, AL132718, AC004706, AL022318, AC005529, AL133500, AC005952, Z98044, AC004887, |

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| | | | | | AC006023, AC005516, AC002492, AC005377, AC004655, AC004953, AL078638, AL031427, AC005932, AC000029, AC005859, AC003043, AC005971, AL031678, U07563, D87675, AC005066, AL121603, AC003690, AP000704, AC007263, AC004692, AC005620, AL049697, AL031662, AF038458, AL021917, AC007666, AL022322, AL009181, AC007731, AC007785, AP000121, AP000053, AP000168, AL117338, AC002116, AL034408, AL034376, AC005500, AL109839, X06292, AC005164, AC005229, AC006061, AC002310, AC002476, AC007388, AL022721, AC006473, Z83846, AC003661, AP000226, AC005800, AC005031, AC006084, AP000087, AF124523, AC004913, U85195, Z83844, AL035694, AF118808, AC005332, AL049793, AL021579, AE000658, AC005015, AC007216, U47924, AC004999, U80017, AC012627, AP000049, AP000116, AL122020, AL035684, AC005519, AC006511, AC003004, AC005736, AC002312, AC004150, Z98884, AL031587, AP000493, AC009731, AC005005, AC008101, AL049838, AC016831, AP000084, Z95116, AL022323, AC006370, AP000311, AC005209, AC005632, AC000085, AC002350, AC005722, AL021707, AL096763, AC004964, AF001549, AL080243, AL021918, AC002119, AL049869, AC005057, AF048729, AP000088, AC004787, AC005201, AC003041, AC007690, AC008126, AL034423, AL049743, AC004103, AC007421, AC008079, AL137100, AL049745, AL009172, AC005691, AC005277, AC004685, AB023049, AL035420, AC007324, AL021546, AC005231, Z99716, AC003029, AC005486, AP000552, AC004386, AP000359, AL031311, U91321, and AL049834. |
| HCWB181 | 818 | 849977 | 1 - 165 | 15 - 179 | |
| HCWB186 | 819 | 719521 | 1 - 380 | 15 - 394 | |
| HCWB138 | 820 | 935481 | 1 - 336 | 15 - 350 | AA373861, AI381490, AW128881, AA554659, F01222, AI049701, AA496309, AA888638, AA757869, AI354333, AA661883, AA298192, AA225358, AW080215, AW022897, AW132097, T30864, AL035893, AW277135, AA295874, AA295865, AI866971, AA206594, AI146266, AW249720, AI889426, AW410481, T94592, N24836, AA352521, AC004139, AL031667, AC005880, AC006077, AC004933, AC006463, Z84487, AC005060, AL035079, Z98884, AL023798, AC002425, D63861, AC004500, Z98941, AL021391, U62292, AC005828, AL049779, AC008928, AC005332, AP000065, U63721, AC016027, AF027390, AL035658, AC016830, AC005102, AC004884, AC002310, AC006312, AL031283, AC008101, AP000305, AL031407, AC005523, AL031276, AC005231, AL132712, Z98946, AC002477, AC005972, AC006965, AP000053, AP000168, AL109628, AC005899, AP000047, AP000326, AC005763, AC006509, AC008009, AP000501, AL096808, X14278, AL049643, AP000054, AP000169, U47654, AP000324, AL109801, AC008372, AC009501, AC005755, D87675, AL109627, AP000513, AP000115, AC005877, AC007011, AC005280, Z76735, AC007285, AP000116, AC005375, AB023049, AC006057, AL035685, AC005071, AC005300, AC004985, AC007869, AF064756, AC004738, AC016026, AC005291, U91323, AC002107, AL023553, AC004491, Z99570, Z93241, AC018769, AC006254, AC007172, AC004975, AL035249, Z93017, AC005261, AC006441, AF003529, AC005028, AC004230, AC004973, Z85996, AC005666, AC005295, Z82206, |

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| | | | | | AB015355, AC006079, L78833, Z49236, AL022238, AC009399, AC000394, AC005971, AC005632, AC003007, AC003108, AC002106, AC006211, AC005014, AL132708, AC005998, AC007786, AL031685, AC002492, U78027, Z83838, AP000008, AL023575, AC002554, AC004605, AC004841, AC004851, AL021528, AC006010, AL133163, AC005696, AL050318, AC006501, AL096791, AP000212, AP000134, AL031662, AC007041, AP000512, AL035422, AC005875, AC004913, AC005328, AP000122, AL049692, Z83844, AC005914, AC005015, Z98200, AC006449, AP000359, AL078581, AC002395, and AL135960. |
| HCWBL41 | 821 | 666457 | 1 - 372 | 15 - 386 | R20206, T82390, T48770, AL039515, W07542, AA757646, N54937, H82873, AA847341, AA525156, AI791408, AI791720, AI049999, U91323, AC007546, AC005354, Z98946, AC004983, Z84474, AC006344, AB001523, AL031311, AC006354, AP001054, U70065, AC005696, AC002492, AC004771, AC003006, Z84480, AC006064, AL035086, AP001052, AC004914, AC007421, AF053356, AC004825, AL031577, AC005089, AL031587, AF007876, AC006512, U91327, Z61071, AC005529, AC005839, AC004797, AC002077, U78027, Z85987, AF165926, AC005288, AC004383, AC006332, AP000133, AP000211, Z86090, AF196972, AC004692, AC004674, AL049776, AL035422, AL049795, AC004883, AL008731, Z97987, AC004967, AC005746, AF023268, AC005372, U45945, M81181, AC004638, Z82190, AC005527, and AL133448. |
| HCWBM04 | 822 | 861842 | 1 - 329 | 15 - 343 | AC002464, Z85999, AF002223, AP000033, AC004253, AP000102, AP000260, and Z97196. |
| HCWBM50 | 823 | 577712 | 1 - 347 | 15 - 361 | |
| HCWBM95 | 824 | 849932 | 1 - 386 | 15 - 400 | |
| HCWBN06 | 825 | 924638 | 1 - 360 | 15 - 374 | |
| HCWBO10 | 826 | 842038 | 1 - 331 | 15 - 345 | |
| HCWBO23 | 827 | 964590 | 1 - 165 | 15 - 179 | AC007130. |
| HCWBO94 | 828 | 574861 | 1 - 361 | 15 - 375 | AC007162, and AC005212. |
| HCWBP27 | 829 | 684336 | 1 - 317 | 15 - 331 | AF205588, and AL024498. |
| HCWBP56 | 830 | 733662 | 1 - 303 | 15 - 317 | AW022796, AA847341, AW023390, AL308529, AI554399, AW029626, AI888050, AL119063, AI307563, AI520925, AI475294, AA358531, AA496941, AA935827, AA687084, AI076729, AA419014, AI002863, AI446574, AI867012, AI571894, AA661554, AI798521, AI571094, AW070901, AI860648, AA084320, AA525156, AA768179, AW129188, AA632355, AI752977, AA218684, AA581317, AI049680, AA446931, AA196994, AI805699, AA834891, AI805373, H05066, AA761454, AA171400, H24331, T52366, AW338376, AI805556, AI890297, AA419107, AW131109, AW190437, AI734076, AI732102, AI232101, H23238, AI734075, AA828840, AA551548, AI445338, AI572680, AA749196, AI124558, T07943, AA772818, AI802268, AA873661, AA484191, AA524846, N55076, AA832108, AI003086, N59248, AA436949, AI343808, AI149177, W27084, AI570067, R79396, AA496042, AI363336, AA428991, AI000314, AI361401, AI174827, AI202777, AI114645, AA385652, AW362702, AI207534, AI668566, AI921744, AA513916, AA420703, AA225566, AA225494, AI446618, AA632556, AI434103, |

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| HCWBP74 | 832 | 765881 | 1 - 319 | 15 - 333 | R59942, AC002301, AP000045, AP000113, AC005399, AC007327, AP000510, Z84469, AC004520, AL133163, AL035079, AC006163, AC004032, AB023048, AL031311, AC003030, AC005081, AC006461, AC004938, AC005015, AC003010, and L44140. |
| HCWBP85 | 833 | 849969 | 1 - 365 | 15 - 379 | AA564671, AC002045, AC002039, AC002544, and U91326. |
| HCWBQ03 | 834 | 920886 | 1 - 330 | 15 - 344 | |
| HCWBQ36 | 835 | 557873 | 1 - 324 | 15 - 338 | |
| HCWBQ70 | 836 | 706526 | 1 - 373 | 15 - 387 | |
| HCWBQ74 | 837 | 526537 | 1 - 356 | 15 - 370 | AW242031, AW340905, AL039309, AL446336, AA018923, R33091, AA224525, H40324, AA012829, AL042310, AW029251, N30205, AA689351, H56703, AW440368, N41775, AA825185, AI679221, AA827096, AA609826, AI307565, AI271762, AC004814, AL049653, U91326, AC004777, AF047825, AC005231, AC006236, L78810, AC004000, AC007435, AL049569, AC005332, Z85987, AC002996, Z84480, AL133245, AL022336, AC005899, AC005519, AP000501, Z98742, Z97630, AL022163, AC002312, AC005527, Z98941, AC004216, AC002470, AL022313, AC009516, AL080243, AC005031, AC004686, Z85986, AL020993, AP000116, AL031284, AC006057, AC004832, AL031666, AC005180, AP000512, Z97196, AC003101, AL136295, AC005520, AL033392, AC006480, Z98304, AC005015, AC005745, AC006344, AL022721, AC004890, AC002365, AL023575, AL109839, AC009946, AC004019, AL031680, AC003950, D86995, AF207550, AF045555, AC005844, AC006285, AC006530, AC005529, AC006468, AC020663, AC003108, AC005921, AL117344, AC005037, AC007225, AF053356, Z98743, AC005207, AL121652, AI003147, AP000558, AC007216, AC005086, AD000092, AC004884, AP000117, AC004854, U96629, AC004841, AL021392, AP000050, AC006211, Z86090, U29953, AC005944, AC007666, Z84487, AC007308, AC005300, AC005828, AC005102, Z93241, AP000555, AC007421, AC008372, AC004752, AC007277, AF196969, AC005412, AC005399, AC005081, AL022316, AC008044, U62292, AL109657, AC004882, AC006111, AC002477, AF111168, AC005512, AC002301, L47234, AL132712, AC005071, AF196971, AL035086, AC004491, AC005702, AC002544, AL096701, AC006538, AC007993, AC005305, AC004659, AC005695, AC006965, AC004492, AC005619, Z97183, AF205588, AC000134, AC007283, AL049843, U52112, AC004447, U91321, AC007546, AL109963, AL139054, AL117330, AF003626, AL021154, AL035659, AC005747, AC005225, AC005924, AL022165, AL049759, AC004859, AC005409, AL122020, AC004985, AC003982, AP000556, Z95114, AL035587, AC002375, AC005274, AC005089, AC005725, AL049694, AC007687, AC004099, AC005058, AP000690, Z83844, Z99755, AP000689, AF015416, U91322, Z99128, AC003041, AC002316, AC004878, AL021391, AC006257, AC003098, AL049780, AC005082, AL022311, AC006487, AL096791, AL009181, AC007226, AF165926, AC005914, AC003009, AL050308, AC002072, AP000952, AL024474, AC005778, AL246003, AC002314, AC004638, AL034417, AC007774, AL031007, AL121658, AC005046, AL133371, AC005971, AC003042, AL050318, AC004887, AL021878, AP000300, U34879, AC004552, Z98752, AC007055, |

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| | | | | | AC004167, and AF196779. |
| HCWBQ88 | 838 | 527694 | 1 - 310 | 15 - 324 | |
| HCWBR06 | 839 | 527692 | 1 - 424 | 15 - 438 | AA234213, AL078621, and Y13478. |
| HCWBR89 | 840 | 967726 | 1 - 401 | 15 - 415 | |
| HCWBS66 | 841 | 574850 | 1 - 120 | 15 - 134 | AA912663. |
| HCWBS67 | 842 | 842037 | 1 - 370 | 15 - 384 | AI281474, AI187148, AI050076, D44899, AA446645, AI609972, AA653139, AA584765, AI624067, AA342238, AA526643, AA598738, AA805029, F24745, AA456149, AA568314, AA193205, AI090334, H28545, AI358542, AA302661, AA648605, AA570441, AA482928, T71936, AW083706, AA225630, AA808998, AA383937, AI494417, AW419389, AA847099, AL119010, AA112924, AA020788, F30650, AI283938, AA443727, AA425924, AI354333, AL134278, AW167330, AW051288, AI366555, H25302, H67064, AI620415, AI858889, AA525407, AI636734, N73060, AA664126, AI955873, X69907, AC004893, AP000501, AP000103, AC004106, AL031281, AL035405, AC005089, AL049694, Z99128, Z97056, AP000269, AP000555, AC007435, AC004217, AC008126, AC003041, AC006965, AL035658, AF049895, AF111168, Z82244, AL049830, AF002223, AL031905, S42653, AL035458, AC004985, AL031432, AC007993, AC004526, AL033527, AL022336, AC004843, AL035079, AC004805, AC005755, AL034549, AL139165, AC002565, AF047825, AC005261, AF196969, AC007685, Z95152, AC006966, AL031685, AL079295, Z83309, AL009172, AL031589, AC005913, AC005535, AL031673, AL049872, AL033518, AC005874, AF134471, AC005479, L78810, AC005828, AL078638, AC005924, AC005372, AB023048, AC004859, AC006026, AF207550, AC005901, AE000638, AC004491, AC002477, AC005632, AC007308, Z93017, AL049591, AP000300, AC006121, AL008718, AF134726, AC005933, AL096701, Z81369, AL096766, AP000032, AP000113, AP000045, AC003956, AC007225, Z99716, Z82190, AC005921, L05367, AC007358, AC002073, AL031777, AC006001, AL035659, AC007298, AC008064, AC004148, AL031657, AC002470, AC006023, AC009516, AC004973, AC007216, AL133246, AC005231, AL049569, AL050348, AC005881, AC002994, AC004584, AL031120, AC006487, AC005531, AC007386, AC002314, AC006449, AC005520, AP000040, AC003982, AL022238, Z94056, AC002425, AC005233, AC002045, AL031291, U95743, AC005409, AC004522, AC005082, AC004531, AC004841, AC004821, AC004884, AL031289, D87675, AL008730, AP000355, AC007192, AC005328, AL035530, U85195, AC006344, AC006146, AC006239, AC005914, AL034371, AC020663, AL109801, AC007276, AC006088, AC005740, AC006050, AL080243, AC003071, AL022316, AC005971, AC000353, AC000070, Z94801, AC007327, AC004024, AC007237, AL035071, U91326, AC004983, AC005821, AC010205, AC005696, AC003014, AL133243, AC004223, AL022323, Z83838, AC000159, AL022322, AJ010770, AC006960, AL049776, AL049636, AC005730, AL109984, AL050307, AC006241, AC002350, AC006505, AC004762, AL121934, AC005220, AC002347, AL009181, AL049589, U91318, Z84469, AC006581, AC005015, AC006509, AC006299, AL024507, I34294, U95741, |

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| | | | | | | Z78021, AC004889, AC007450, AF001548, U80017, AC006538, AC002992, AC012099, AC005295, AF196970, AC004167, AL096791, AC000118, AC005609, AC008039, AC007488, AB023050, AF103804, AP000014, AL049869, Z98885, AL031005, AC005037, AL135744, AC005225, L44140, AL132987, AC002381, Z83819, AC004017, and AP000143. |
| HCWBS96 | 843 | 954028 | 1 - 464 | 15 - 478 | | |
| HCWBT30 | 844 | 523249 | 1 - 340 | 15 - 354 | | |
| HCWBT31 | 845 | 720016 | 1 - 283 | 15 - 297 | | AA897291. |
| HCWBT48 | 846 | 527676 | 1 - 139 | 15 - 153 | | |
| HCWBT86 | 847 | 927506 | 1 - 316 | 15 - 330 | | |
| HCWBU09 | 848 | 527562 | 1 - 279 | 15 - 293 | | |
| HCWBU24 | 849 | 861864 | 1 - 371 | 15 - 385 | | |
| HCWBU49 | 850 | 850014 | 1 - 402 | 15 - 416 | | AL118817, AA425283, AI360368, N27737, AI224583, N62478, AI567976, AI446424, AA493464, AI753131, AA506544, AW085751, AW270287, AA659303, AA330435, AL119123, AI355572, AA595661, AL048969, AI690379, AA515165, AW169183, AI310670, AI754064, AW409621, AI349130, AA372958, AI038990, AA524604, AW086015, AA489390, AL042731, AA382435, AA662982, AI751698, AL134338, AA631915, AI744890, AI540319, AL044438, AA862218, AL039436, AA630476, AI935827, AA640305, AL042336, R43468, AL044458, AA648942, AA280886, AI014872, H05742, AI439525, AA181705, AW084152, AI174703, AA720594, N73337, AA369494, AA167178, AF114095, AW275788, AA303588, AD000092, AC002433, AC005081, AC004477, AL031228, AL021391, AL096791, AC005048, AC005516, AC005004, AF129756, Z97056, AP000359, AL035422, AF217403, AC005664, AC006479, Z82208, AL035420, AC005546, AC009336, AC006547, AL13448, Z82244, AC004686, U78027, AL022313, AC007057, AL049872, AC006581, AL021393, AP000505, AC007021, L78810, AC007242, AC002551, AL035413, AL035682, AL139054, AL121769, AC004099, AF195658, AC005301, AC003969, AC007055, AC007686, AL049709, AL035603, AC007093, AC000007, AL031122, AC005828, Z98048, AC002476, AC005726, AC007397, AC004000, AL136295, AC005519, AC002985, AC000075, AL049539, AC004772, AB014079, AL031587, AP000961, AC007535, U91318, L44140, AP000133, AP000211, U91325, AL078639, AC005670, AP000961, AC006530, AC002126, AC004159, AC004921, Z79488, AC003109, AC007436, AC005907, U47924, AP000140, AL078581, AC003042, AC005391, AL031281, AC005821, AC012330, Z93017, AC004805, AC004802, AP000280, Z15025, AC005808, U71148, U91327, AC004998, AL008718, AC004973, AL122020, U91326, Z84466, AF111168, AL022476, AL049780, AP000088, AF015416, AC006511, AL078471, AP000107, AP000039, AL133312, AL034395, Z84497, AC007546, AF030876, AC009946, AC005082, AL021308, Z93244, AC005261, AC007993, AL132799, AC010077, AL031774, AL031282, AC005751, AC005694, AF196779, L78833, AL024507, U73647, AC004929, AL096763, AC005215, AL050323, AL035494, AP000124, AP000056, AP000171, AC004522, AC005089, Y14768, AC003102, AC007785, |

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| | | | | | AL133382, AL031259, AL008710, AC003077, AL121657, AC005011, AL135744, AL035419, AL031680, AC005057, AC005911, AC005412, AF141308, AC005839, AC005793, AL117694, AC006468, AL021937, AC004903, AP000114, AP000046, AL022326, AC006139, AL008726, U80459, AL035460, AL133245, AL049776, AL034548, Z83847, U85195, AC005323, AL034379, AL023281, AC004213, Z86061, AL022723, AC004671, AF001550, AC005736, AC006255, AP000210, AP000132, AC002039, AC005335, AC007227, D88271, AC005369, AE000658, AL034417, AL031845, AP000228, D87022, and AL132987. |
| HCWBU72 | 851 | 668350 | 1 - 540 | 15 - 554 | AL042853, AA503947, AA349854, F33121, AA366035, AA369477, AA318652, AA513999, AA508509, AA846981, AA341228, F19258, AA657458, F29989, W07032, AA559290, AA483034, AA724230, AI284583, AI358229, AA558697, N66067, AA310158, AA878495, AA363501, AA662974, AA515435, AI365988, AW406755, AI921188, AA371568, AA364193, AA723017, T66105, AW193546, AW339687, F36373, AA658235, AA557879, AI635272, F26152, AA780929, F36273, AA737154, AL120502, T07346, AA683037, AW270270, H58672, AA828680, T40077, AA828826, AA747620, AW008317, AI866908, R40625, AI457397, AI432713, AA580889, AL137954, AI357288, N41759, AL036854, AA092739, F24284, AA345333, H77900, AA932099, AA618002, C05986, AL079843, AL118911, C17838, AI745325, AI623898, AI246119, AA626747, AI431688, AA065087, R44592, AA301813, AI565245, AA662017, AW089789, AA313016, AL037554, AI439360, AA372106, AA654322, AA148489, AI284640, AI688928, AA159978, RI3151, AA639270, T25706, AW193295, AW338086, AL041382, AI955323, T29180, AI624698, AA339187, AI792864, AI818620, Z97053, AP001053, AC007285, AL022717, AL021918, AL121934, AC005632, AL121658, AL031736, AC007536, AL109799, AL049757, AC005215, AL022318, AP000034, AP000101, AL008629, AL034548, AC005803, AL133312, AC004740, AP000301, AP000045, AP000113, AL035413, AC004010, AL078602, AF039906, AL117328, AF055066, Z82182, AL121603, Z75890, L78833, AP000141, AP000089, AC004884, AC004066, AP000264, AL035684, AC008115, AL023281, AC005180, AC007283, AC007312, AL021939, AB023049, AC004600, AC000353, AL020993, AC004890, AC004712, AC007773, X77531, D87675, AP000512, AC006049, AC004049, AC005015, AL109984, AP000692, S78429, L44140, AP000031, AC005856, AC002377, U47924, AC004496, AC006449, AC005722, AC004470, AL031664, AL022394, AC008109, AL023803, AC004259, AC007461, AP000230, D83737, AP000144, AL008636, Y10196, AC006965, AC008984, U82668, AL049776, AL109939, AP000555, U96409, AL031650, AF190465, M87918, AF109907, AC004941, AC005911, AP000431, AL035448, AC004797, AC002485, AC006312, AC005399, AF108083, U95740, Z98950, AP000352, AP000252, AP000350, AC002316, AL035410, AC007848, AL109628, AC007666, AC004019, AC005625, AC005324, AC005944, AC005081, AC005829, AC020663, AC005696, AL121915, AL035415, Z99756, AC000052, AC002996, AC006071, U75931, AC004466, AL049874, AC005225, AL035461, AC005251, AL049872, AC005332, AL110292, |
| HCWBU72 | 852 | 746335 | 1 - 366 | 15 - 380 | |

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| | | | | | <p>Z98742, AC006552, AC016026, AC006285, AC004087, AC000067, AC005355, AC005799, AC005486, AB023051, AL133448, Z84718, AF067844, AC005184, AC004542, AC004477, AC012085, AC005998, AC016025, Z82185, AC006088, AC005208, AF044083, AL049829, AC005204, AC007226, D16583, U66059, AC004913, AP000134, AP000212, AC004020, AL031591, AP000194, AL035464, AC007537, AL079305, AL008582, AL080243, AL033376, AC000085, AC002558, AP000048, AC005703, AC005071, AC005370, AC000120, AL031733, U18400, M37551, L47234, AL035455, AL021786, AP000088, AC006077, AL132992, AL031283, AC004834, AC005212, AC004933, AC004703, AC002349, Z82244, AP000351, Z86062, AP000556, AP000557, AC007563, AC004902, AC005231, AL049712, AP000553, AC006149, and AF111168.</p> |
| HCWBV51 | 853 | 725889 | 1 - 315 | 15 - 329 | <p>F00252, AL134669, AW328050, AI500151, M77984, AI590442, AA533653, AA094109, AA298531, AI832674, AA601376, AI821892, AA380324, AI355414, AA640519, H53169, AW029299, AA655026, AA693484, AI053673, AA601908, H86105, AA621838, N23229, C14262, AL133668, AI818067, AC006023, AC006312, AC005049, AL080243, AC012384, AL078638, AL049829, AL023575, AC005081, AC004854, AC005363, AL049539, AL034420, AC005740, AC006285, AL049759, AL133246, AC007546, AL135744, AC004841, Z83846, AC005914, Z93023, AL031670, AC010206, AC007686, AC005180, AL133163, AL024498, U07563, AL049553, AC005736, AC002565, AP000114, AP000046, U80017, AC005697, AC003982, AC005759, AC005822, AF165926, AF196779, AL049636, AC003663, Z82176, AC002395, AC006453, U95090, AC002394, AC006071, AC005730, AC005004, Z84469, AL031591, AC005703, AC003104, AF109907, AC004659, AC004125, AC005082, AC005328, L78833, AL031848, AC006241, AC007842, U91326, AC010205, AP000697, AC005231, AL022165, AC003101, AL034379, AF129756, AC004383, Z95113, AC002310, Z93241, AC002306, AC005015, AL008718, AC005005, AP000248, AC004655, AC005512, AC004966, AC005846, AC005971, AC007277, AC004148, AC005821, AF053356, AC002350, AC016027, AC004019, AC004999, AC005829, AC005399, Z95331, AL021391, AL031427, AP000032, AL096791, AC004821, Z82184, AC004656, AL021917, U47924, AB003151, AC004686, AC007312, AC005722, AC002091, AC005746, AC002558, AF111169, AC007055, AC009247, AL049591, D87675, AC002544, Z75887, AC008044, AL050321, AC004032, AF047825, AC005409, AL021578, AC007690, U95742, AC004477, AC004167, AC004859, AL049776, AC005632, Z98200, AC002425, AL109758, AC004765, AC004526, AC004967, AL022312, AC005531, AC002347, AC005696, AC007057, AC000082, AL031287, AC005592, AC004858, AP000010, AC006275, AC004883, AC006480, AC007052, AL080245, AC007731, AL035458, AL139054, AC016830, AC005332, AC005288, AC004253, AC004797, AC007666, AL008582, Z85986, Z93020, AJ246003, AP000553, AL080242, AC005500, AC005529, Z84476, AC004914, AC007225, AL031311, AP000555, AC005189, AC002316, AL022336, AC006130, AC005057, AP000089, AC002476, AC004813, AC005482, AC006538, AL023553, Z84480, AC005922,</p> |

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| | | | | | | Z98304, AF024533, AL049779, AC006111, AC016831, AC005606, AC005207, AC004983, AC005701, AC007216, AL034548, AP000689, AP000355, AC004884, AL035249, AC007537, AL109798, AL035086, AP000143, AC005578, AL049692, AL033397, AC006026, AL049795, AL022322, AL096775, AC002550, AC005071, Z85987, and AL117354. |
| HCWBV96 | 854 | 796584 | 1 - 396 | 15 - 410 | | AA554392, and AA372426. |
| HCWBX63 | 855 | 527081 | 1 - 117 | 15 - 131 | | |
| HCWBX65 | 856 | 970694 | 1 - 164 | 15 - 178 | | AW104748, AA280632, AA655004, R67365, W85752, AA557970, R95704, H05073, AA552726, T78484, AA806734, AA515051, AA461317, AA569743, R84309, AA604497, AA633266, AA774184, AA158328, R84303, R83929, H02135, W80462, AA160481, N40815, R69255, AA084337, AA130658, AA196796, R52163, AA720548, H80357, H73704, H86860, H02877, T94075, H64778, AA620464, H48636, W56203, R50087, AA483223, N71724, N57890, W16581, R92288, AA158301, AA171416, AA578251, AA858197, R66878, R84296, AA161083, R47822, R93576, W95939, AL191227, N87661, AA628602, AA721981, N20219, AA522942, AA810370, AA679009, AA602528, H80373, H80386, N53573, AA938225, AA190895, N70442, AA584751, AA159974, T49241, T71030, AA469021, AA601499, AA578017, AA020729, AA047296, AA669634, AA558616, AA112299, R32415, R41717, H79297, AA342914, AA644538, AA650271, R97634, AA527958, AA583394, AA634145, T53128, R91159, AA639248, R67504, T97558, AA521355, AA864983, AA126777, AA574110, H68999, H79151, AA773176, AA167643, AA664015, AA204718, AA721599, AA335972, R89511, AA224129, H11124, H49061, AA169194, W74484, T16056, AA459379, AA173071, AA824654, H08496, N25296, AA582911, AA873560, AA524838, AL133723, T92445, AA137017, F10924, AA663486, AA693484, AW402067, AA205915, H64805, AA226153, AA199616, AL035604, AC005900, AC000355, Z84718, AL035416, AP000351, AC004067, AC004804, AL033521, AJ006996, AL022165, Z97876, AC010072, AC003029, Z98304, AL096770, AP001170, AC006039, AC003024, Z92543, AC007406, AP001068, AC004531, Z83313, AC005162, AC007050, AC005535, AL031294, AC004949, AF146191, AC005823, AC006946, AC007751, Z73361, AL034451, AL132766, Z84487, AJ011930, AC007541, AC002454, AL035695, AL035415, AL109733, AP000049, Z99716, AP000352, Z98950, AL136363, AC008064, AC004626, AC004453, AP000354, AP000311, AP000355, AC005327, AC004051, Z84467, AC006026, AC003686, AC007842, AL022097, AL121823, AC002488, Z86061, AC008179, AL008710, AC002412, AJ006998, AE000659, AL049554, AC007252, AL132985, AL078477, AC005541, Z84719, AL031904, AC006975, AC004996, AC004158, Z95118, AC007993, AC006369, AP000949, AC006115, AF047825, AP000515, AL035252, AL049844, AL049550, AL122023, AC005737, AL049838, AC004024, AC004451, AC004140, AC007277, AC006120, AC007065, AC005597, AL035422, AC003082, AC006031, AC004059, AC002449, AL078621, AL109854, AC006352, AL022069, AC000047, AL031446, AC003973, AL096862, AB019437, AL021397, AL121892, Z98255, AC004994, AC009225, AL118497, Z82205, AC009288, Z84470, AC004842, |

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| | | | | | AC003692, AC006397, AP000552, AC006152, AC010849, AL117351, AC004057, AC006984, AC004385, AP000023, AP000506, AC005342, Y10196, AC005871, Z81365, AL008709, AL080239, AC007363, AL031654, AC002403, AC007533, AL050333, AC007159, AL109656, AL050308, AF064866, AC004208, AC004081, AC005393, AL049565, AC006062, AL033397, AP000014, Z98051, AC002430, AC007617, AC006213, AF064862, AL021997, AC006227, AF064865, AC002524, AC005962, AC006071, AC009514, AC007384, AC002429, AF055066, AC004988, AB000882, AC004761, AC005768, AC004467, AC004459, U91323, AF164343, AC005516, AC018633, AC006487, AL109758, Z98941, AC006288, AC004830, Z98172, AC000100, AC006195, AC010349, AC002499, AL031012, AL022322, AC002056, AC005863, AL024497, AC004629, AC002381, AC004745, AC006270, Z94055, AL109753, and AC004889. |
| HCWBX67 | 857 | 506730 | 1 - 508 | 15 - 522 | |
| HCWBX75 | 858 | 767491 | 1 - 121 | 15 - 135 | |
| HCWBZ78 | 859 | 706521 | 1 - 473 | 15 - 487 | AL050322. |
| HCWCA51 | 860 | 849923 | 1 - 499 | 15 - 513 | AC002395. |
| HCWCB37 | 861 | 527683 | 1 - 399 | 15 - 413 | AF150189, AF150193, and AF150184. |
| HCWCB80 | 862 | 529234 | 1 - 210 | 15 - 224 | |
| HCWCB89 | 863 | 542340 | 1 - 175 | 15 - 189 | |
| HCWCC62 | 864 | 967306 | 1 - 386 | 15 - 400 | |
| HCWCC77 | 865 | 527077 | 1 - 278 | 15 - 292 | |
| HCWCC82 | 866 | 705347 | 1 - 393 | 15 - 407 | |
| HCWCE02 | 867 | 849968 | 1 - 312 | 15 - 326 | AL266137, AA446645, AA364006, AA689351, AW419126, AA365520, AA642464, AA223999, AA502207, AA526099, AW192199, H62778, AA805848, AA493464, AA525807, AI885896, AA603323, T67090, AA487209, AI272052, AA971196, W45205, AA228368, AA593471, H81270, AA527633, AA584655, AA485482, AA468505, F13749, AA468371, AA715173, AA715075, AA581895, H15241, AA302763, AA084609, AW028376, F25301, AA824484, AA552809, AI245693, AW089952, AI277211, AA630947, AW188742, AA296614, T65951, H91047, AA583728, S42653, AC004408, AC007136, M87914, AC005859, AC009247, AL135744, AL133353, AL022336, AC004686, AL121915, AP000088, AC004106, AC005049, AC005209, Z86090, AF207550, AC005229, AC002045, AC004975, AC004150, AF196972, AC002044, AC007450, AL049760, AC005484, AP000066, AC006130, AC004999, AC007880, AL022316, AC009516, Z85996, AL096776, AF111168, AC000353, U91321, AC004125, AL031659, AC004797, AL031589, AC006430, AL096791, U80017, AC006026, Z82217, AC002350, AF047825, AC005180, AC008033, AC005324, AP000096, Z94277, AF165926, AC004687, AC005006, D87675, AC004832, AP000252, AC002375, Z95152, AL049872, AP001053, AL035420, U91322, AF134726, AC007845, AC005619, Z84469, AC004673, AC003025, AC004491, AC006014, AL009173, AC002476, AC004813, AC000052, AC005412, AL035400, AC005971, AC007546, AL031681, AC006323, AL035658, Z94801, AC007226, AC004148, |

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| | | | | | AL031662, AP000240, AP000501, AC005702, AC006050, AL024494, AC003106, Z82201, AL022721, AF139813, AC005730, AC005821, AL020997, AC004685, AC004019, AP000553, AP000065, AP000212, AP000134, AP000115, Z93017, AC002378, AC005086, AL021407, AC000387, AC004526, AC005488, AF064858, AP000104, AC002365, Z93241, AC000111, AL031432, AC005796, AL031311, AL035691, AC006344, AL133485, AC003982, AC004841, AC003110, AL035249, AL049759, AC006271, AF165138, AC003667, AC004682, AC004477, AC005921, AC005516, AC004765, AC005479, AP000009, AC002067, AC004859, AF205588, AL096712, AC003109, AC007358, AP000008, AC005562, AL031289, U91323, AC007040, AC007114, AL024498, AC004815, Z95114, AC005057, AC006057, Z98304, AC007842, AL031728, AC006453, AL121748, AP000509, AL132987, AL031594, AC002347, AC005369, AF109907, AP000704, AC004904, AC009294, AC002546, AC002039, AP000512, AL121923, AC006160, AC004223, AC005846, AL021397, AL035683, AC006120, AL031664, AC006576, AL132777, AC005043, AC002369, AC007193, AC004955, AC002310, AL122021, AL033517, AC004254, L44140, AC012085, AC004072, AC002477, AL049631, AC005071, AL109827, Z82195, AC007687, Z84487, AC005839, AL034451, AP000032, AC007308, AC006571, AC007536, AC007685, AF088219, AC004216, AC005914, AC005291, AC004517, AF190465, AC007860, AC003077, Z85986, AC011456, AC006501, AL021154, AL009181, AC002394, AC005081, AC004796, AC002470, AL078638, AC005678, AC003950, Z82244, AL133448, AC004913, Y14768, AC005632, AL049830, AC005696, and AL034371. |
| HCWCE21 | 868 | 523224 | 1 - 540 | 15 - 554 | AA131704. |
| HCWCE35 | 869 | 706489 | 1 - 289 | 15 - 303 | AW440424, N5515, A1025905, A1285493, A1683426, AL133906, AL133902, AA834670, A1446623, T70299, AC004983, AL035608, AC005800, AC006050, AF165926, AL031282, AF109907, AP000152, AC005354, X74984, AC004922, AF052051, AL049830, AF146367, AC003042, AF124523, AC005291, A1003147, U82668, AC006124, AC004890, AC002306, AC005288, AP000300, AP000549, AC006946, AL031666, AC005221, AC006197, AC004874, AP000113, and AP000045. |
| HCWCE63 | 870 | 527678 | 1 - 244 | 15 - 258 | T96277, T96279, and AP000555. |
| HCWCE69 | 871 | 757800 | 1 - 284 | 15 - 298 | |
| HCWCE71 | 872 | 932549 | 1 - 235 | 15 - 249 | AI884861, N63755, AA586433, A1018726, A1624038, A1246061, AA341865, H71678, R48980, AW192648, AA317414, H81732, AA679353, AW088557, AA662614, AA054639, AW408396, H86579, AA063115, AA730488, AA371883, AA558404, A1367222, A1054090, AW069769, AA486877, W94450, N30205, A1360504, AA985199, AA077637, W42587, AA018923, A1249853, AA012829, A1284543, R87646, A1254770, A1251944, A1251034, A1251203, A1251284, R33091, A1250552, A1904944, AA303131, AA809011, AA206366, A1926597, R56810, A1459866, AA302660, H52397, AA304790, H53023, A1537800, H61871, AA774006, R19199, AA192731, H90032, A1251241, AL037006, W68328, H65213, A1223626, AW019964, AW303098, AA744095, H07953, T02817, AW265688, F23307, AA295893, A1903464, AA295899, A1369076, AW341741, |

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| <p> AI679045, AI276360, AI061303, AA08725, AA564256, R89560, H56003, AW190302, F35674, T58480, T94592, AI860535, AA846014, AA114131, AA322542, R14824, AI251576, AI355246, AI049504, AA533660, AA524766, AI306232, AI434144, AW274191, AI583466, F25984, AA054085, AI445338, AW169038, AA744423, AW342143, AI859428, AA364323, R94968, H10454, AA468494, AI791659, AA429942, AW327555, AA632907, AI903448, AA628456, H47736, H53217, AA507993, AW085839, AI224619, AA862029, H53284, AI805261, AI612810, AI246192, AA115655, H54252, AA278814, AI880889, T48829, AA297961, AI479068, AI565084, H04971, AI699049, AI929298, AA339789, AI804519, AI929825, AI865980, AA730764, AA662989, AA702724, AA700958, AW005974, R72264, AI539024, AA486819, AI114645, AA678616, AA721530, AA669185, AI004740, AA434346, T54783, N86446, AA731361, AL046818, AW157180, AA721998, AA449979, AA721523, AA363003, AC000063, AC003667, AC006006, AC005593, AL136295, AF042484, AC009225, AL132987, AC006211, AC006398, AL096816, AF093117, AP000295, AC002553, AP000112, U95626, AC004015, Z68284, AL122021, AL078476, AL031446, AC006229, AC005610, AF064861, AC005189, AL049795, AF196972, AC006965, AL035467, AC008119, AC005537, AC007625, AC006511, Z98884, AL031599, AC004069, AL096701, AC006559, AC002120, AL096792, AC004187, AL136504, AC005815, U08988, AL050311, AC006060, AL022717, AL035067, AL009181, AC004855, AC002088, AL034402, AC003106, AL022069, AL023582, AC000094, AL0222578, AC005513, AC006324, Z97195, AC006840, AC006077, AC005158, AB020864, AL031584, AL109984, AC007458, AC000085, AC004969, AC005351, AC007869, AC004884, AC002496, AL035687, AL049650, AL034421, AC005053, AC008154, AC002456, AL133246, AL031346, AP000516, AC005799, AC002430, AP000355, AC007384, AC005389, AL031602, AP001137, AL031848, AL035697, AC003111, AL050318, AC005225, AC005261, AL031120, AL109985, AC006213, AC007671, AC009227, AC004805, AC005015, AC002369, AL022319, AC007032, AC006500, Z82206, AC005969, AC002554, AC004812, AL136168, AC002081, AC018633, AL117328, AC004460, AC007065, AL135744, AL096712, AP000885, AC004592, AP000964, AJ011930, AC002556, AL080276, AC000086, AC005546, AL031347, AL049699, AC008072, AC006481, X71402, Z85986, AL117338, AP000565, AC005901, AC005837, AC005089, AC002072, AC004941, AC006296, AC005480, AC004129, AL031845, AJ004862, AP000697, AP000261, AF196779, AC005518, AC006263, AC004949, AC008126, AL049176, AL031664, AC004789, AC004049, AC007199, AP000561, AL049780, AC007055, AL034420, AL031671, AJ003147, Z82189, AC004017, AC006241, D83253, AP000502, AC002551, AC009275, AL110292, AP000100, AP000035, AL020997, AC006465, AL096843, AL132985, AL034423, Z95114, AL133163, AC003088, AC006417, AC004762, AC005872, AL034411, U85195, AF205588, AC022517, AL136297, AC000025, AC000072, AL022476, AL021937, AC004854, Z85987, AC006141, AC004000, AC005823, AF134726, AC005527, D86993, AE000658, AC007656, AC007390, AC008041, AC006075, AL034343, AC004383, AP000514, AL023807, AL008631, </p> | |
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| | | | | | | AC005587, AL031283, AC005228, AC004972, AC004821, AB020863, AC007392, AC000111, AC005231, AL079305, AL133304, AL078471, AP000432, AL021393, Z86090, AC007031, AL008718, AC002312, AC008134, L35532, AC005529, AC004764, AC005006, Z84719, AC004448, and AL034551. |
| HCWCE86 | 873 | 964648 | 1 - 389 | 15 - 403 | | AF070717, AF049895, AC002425, AL078644, AC004386, AC000353, AC004007, AC007192, AC002400, AC006064, AC002299, AC008067, and AC005756. |
| HCWCF04 | 874 | 615626 | 1 - 39 | 15 - 53 | | |
| HCWCF06 | 875 | 954580 | 1 - 204 | 15 - 218 | | |
| HCWCF91 | 876 | 527558 | 1 - 335 | 15 - 349 | | |
| HCWCF94 | 877 | 952684 | 1 - 536 | 15 - 550 | | |
| HCWCG31 | 878 | 527090 | 1 - 609 | 15 - 623 | | |
| HCWCG62 | 879 | 575336 | 1 - 320 | 15 - 334 | | T05617, A1523477, N38803, A1754567, A1754105, A1755214, A1298079, A1863279, AW023975, AA614139, A1860535, AA209436, AA363957, AL042373, A1279417, A1080732, AL038977, A1491755, AA582746, A1624234, A1267356, AA741301, AA489860, A1630894, A1078409, A1278211, A1560073, A1249688, AW316599, F29071, A1686563, AW373645, AA831638, A1038304, AA612578, A1356264, A1569100, AW192599, A1080307, AA832016, AA984543, T67090, A1583142, AA507990, AA311432, H40478, AW071109, AL134167, AL045476, AA995827, AW439703, AA702550, AC005399, AF038458, AL031121, AC012085, AC005014, AL031985, AC002994, Z83844, AR036572, U91328, AC003662, AC006449, AL121653, AC005839, AC007386, AC009501, AC004019, AF064857, AC005589, AF139813, U80017, Z82195, AC002395, AC004963, AC005015, AC006064, AC002094, AC005520, AL031005, AL049282, AC005529, AL022238, AL034429, AL024498, AC003025, AL049829, AC004882, AL034418, AL022331, AC006343, AL133382, X60459, AC003103, AC004986, AC004223, X64467, AL022400, AC004228, AC005018, Z75887, Z97056, AC006111, AP000555, AC010077, AC002492, AL133163, AC007207, AC007385, AL109842, AC004144, AC004131, U89337, AC000092, AP000692, AC005932, AL050318, Z82244, Y10196, AC004991, AC003108, AC006032, AC004664, AC007934, AL049779, AL049636, AC004033, AP000152, AP000011, AC004382, AC006930, AC005578, AL022328, AL035700, AC007731, AC006084, AC005500, AC005182, AC002477, AF049895, AC004644, AP000501, AC003007, AL031589, AL008715, U55184, AL008710, AL049576, AL022313, AC005102, AL049780, AC005017, AC002316, AC004016, AC006125, AL022476, AL031433, AC005482, AC007191, AP001137, AC005037, AL034402, AL035684, AC006292, AC005740, AC006101, AL121754, AC000134, AF053356, AL021546, AC009399, AC006597, AL049229, AC002422, AC004820, AC007536, AC005666, AC006130, AC005086, AL049872, AP001058, AC006480, AC005516, AC006238, AC007228, D86995, AC009363, AC007057, U95743, AF047825, Z98044, AC000353, AC006323, AC004804, AL049697, AC004805, AC003104, AC004876, AL033397, AC000159, AC005632, AF126403, AC007114, AP000359, AC002073, AL031274, AJ003147, AC006531, U91321, AL031672, |

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| HCWCH01 | 880 | 920706 | 1 - 279 | 15 - 293 | |
| HCWCH22 | 881 | 675011 | 1 - 132 | 15 - 146 | |
| HCWCH45 | 882 | 577704 | 1 - 292 | 15 - 306 | |
| HCWCI01 | 883 | 921586 | 1 - 437 | 15 - 451 | |
| HCWCI38 | 884 | 556358 | 1 - 544 | 15 - 558 | |
| HCWCI86 | 885 | 790718 | 1 - 147 | 15 - 161 | |
| HCWCI85 | 886 | 529243 | 1 - 324 | 15 - 338 | AC004002, and L78810. |
| HCWCL10 | 887 | 888992 | 1 - 466 | 15 - 480 | |
| HCWCL62 | 888 | 715981 | 1 - 309 | 15 - 323 | AP000277, AL022147, AP000037, and AP000105. |
| HCWCL67 | 889 | 751963 | 1 - 328 | 15 - 342 | |
| HCWCM16 | 890 | 667392 | 1 - 231 | 15 - 245 | AC004968, AF001552, and AC004876. |
| HCWCM65 | 891 | 529230 | 1 - 437 | 15 - 451 | |
| HCWCM96 | 892 | 963564 | 1 - 225 | 15 - 239 | |
| HCWCN25 | 893 | 518793 | 1 - 297 | 15 - 311 | AA577748, F17700, AA703972, AA548087, A1446474, H05073, D56402, A1053786, T78484, A1890385, AA837677, A1979005, AA663966, A1254485, A1859834, AA077776, AA492399, AA721615, AA857296, AA663701, AA326410, AL118911, AA503168, AA536015, A1251111, H57826, AA357307, A1859946, N39097, A1538540, AA531554, AA972238, T94328, AA564561, H10143, R32200, R26134, A1633185, M78169, AW419081, A1671035, AW079809, AA515350, AW304531, A1623899, AA487542, R94288, AA297968, T92957, AA564145, AA828762, A1610644, A1291317, AA776552, A1151407, H94870, A1261913, AA148656, A1912514, AA526656, AA614010, AW337454, R91232, AA814510, AA837646, AA827978, AA360987, AA501614, AA235575, AA360996, AA572960, AL031685, U82828, AC008394, AC004854, AL078471, AC002543, AC002082, AC003029, AL035072, AC005971, AC006001, AF196969, AC002312, AC004386, AB023051, AP000512, AC004821, AC004996, AC003041, AC004231, AP000343, AC005740, AL049761, AL020997, AP000513, AC004930, AC004158, AC005519, AL121652, AL133246, AB001523, AC002351, AC020663, AP000330, AL008582, AC005914, U07000, AC002310, AL034420, Z99714, AL109653, AC007262, AP000215, AC004675, AC006257, AC004990, AC005696, AC006023, AC007055, AL033518, AC004883, Z95116. |

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| HCWCN40 | 894 | 835584 | 1 - 425 | 15 - 439 | AL032822. |
| HCWCN45 | 895 | 723418 | 1 - 505 | 15 - 519 | AC004098. |
| HCWCN61 | 896 | 924894 | 1 - 294 | 15 - 308 | |
| HCWCN92 | 897 | 527088 | 1 - 419 | 15 - 433 | AA716191, AL031432, and Z65992. |
| HCWCO02 | 898 | 920876 | 1 - 303 | 15 - 317 | AA554430, AA528234, F16356, AC007263, Z86064, AL122023, AL008719, and AC002430. |
| HCWCO21 | 899 | 523225 | 1 - 145 | 15 - 159 | |
| HCWCO35 | 900 | 706490 | 1 - 504 | 15 - 518 | F30251, AA371410, AA831919, AA385775, AI929796, AW089625, AL345334, R70883, AI283938, AW008184, AA535216, R92658, F24272, R70884, AA610255, AI885465, AI884383, AI908508, AI908525, AI278801, AC004491, AC004448, AC005291, AL031121, AC007880, AC007193, AC003041, AC008372, AL049776, AF196969, AC005091, AC016830, AC005102, AC006449, AF042484, AC006013, AC005921, AL009181, AC006948, AC005180, AC004242, AC006023, AC007488, AC004659, AC002039, AC004891, AC005399, Z75744, AC004019, AL031733, AL031228, U95742, AC007216, AL035684, AC004087, AC005971, AL110502, AL049646, AL031289, AP000555, AC002425, AL096712, AC007226, AP000689, AL031311, AC005535, AC003663, AC005225, AC008041, AC005820, AC006530, AC002400, AL031588, AC005874, AF134471, Z95115, AL117355, AP000512, AC007056, AC004475, AC004913, L78810, Z83844, AC007690, AC006160, AC006277, AF109907, AC005803, AC005015, AC004686, AC004865, AB020865, AL121653, AC005668, AC005932, AC004921, AC004843, AC012627, AL078639, AC005839, AC005954, AC006441, U96629, AL022165, AC007386, AC004033, AL035413, AC006001, AC004142, AP000302, AC004859, AC009533, AC005736, AL132994, AC006285, AC005726, AC002094, AC007055, AD000092, AC005520, AP000500, AF111168, AC005081, U95740, AL121923, AL121825, U07000, AC002544, AC002470, |

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| HCWCO54 | 901 | 558274 | 1 - 368 | 15 - 382 | N53621, AW302766, AA843874, AC007677, AP001136, AC009308, AL034377, AP000473, AC003669, Z84469, AC006948, AC007077, AL023799, AP000099, Z97198, AP000036, AL035686, Z68326, AC005341, AC007126, AP000262, AC002367, Z83313, AC009399, AC004806, AL022166, AC002066, AJ229041, AJ133269, AF020801, AF107885, AC007556, AC004597, AC005837, AC002527, and AL080239. |
| HCWCO63 | 902 | 557917 | 1 - 310 | 15 - 324 | |
| HCWCO72 | 903 | 527546 | 1 - 296 | 15 - 310 | AC005907. |
| HCWCO77 | 904 | 772515 | 1 - 99 | 15 - 113 | |
| HCWCP68 | 905 | 573148 | 1 - 203 | 15 - 217 | AA828573. |
| HCWCQ15 | 906 | 527688 | 1 - 312 | 15 - 326 | AL008639. |
| HCWCQ48 | 907 | 531423 | 1 - 106 | 15 - 120 | |
| HCWCQ95 | 908 | 723610 | 1 - 99 | 15 - 113 | |
| HCWCR31 | 909 | 693632 | 1 - 656 | 15 - 670 | |
| HCWCR64 | 910 | 526482 | 1 - 309 | 15 - 323 | N66690, AI200947, AI127410, AI932346, AW008872, C06101, and AA053116. AW150387, AA533054, H71678, AA568314, AW419389, H72278, AI187148, F31811, AL040374, AI431513, AA605266, AA610433, AA904211, AA018923, AA513921, AW167154, AA468505, AA468371, AI880329, AA516320, AA809179, AI917132, AA056248, H67064, AA579278, AA493628, AA492524, AW002831, H72688, AI640411, AA605201, T74524, AA228368, AA721561, AW275699, AA742775, AA282951, AA862075, AI583291, AA365520, R74433, AA577141, AI635440, AA689351, N73060, H84412, H79453, AA515138, AI569401, AI366993, AI915293, AA526193, AA502098, AC004525, AC002303, AC007227, AL024507, AL021368, AC005088, AF196969, AF030453, AL034371, AL031905, U62317, U95743, AC004985, AC002565, M87889, U95741, AF053356, AC005971, AC004883, AL031657, AL022336, AC006079, U07000, AL049539, AL049780, AC008072, AC005841, AP000052, AP000120, AP000702, AF111168, AC002375, U02047, U91323, AC004815, AC004862, AC005828, AC004887, AC006241, AL031282, AC002352, AC006486, AC000004, AL096701, AC009516, AC004983, AL049569, AC006088, AL031056, L78810, Z84487, AC005244, AP000320, AC009464, AL049758, AL020997, AL049692, AC004448, AP000884, AC006285, AC003663, AC005899, AC004466, AC003085, AC005041, AF002223, AL031985, AL121769, AP000141, AL021918, Z98941, AC006965, AC005632, AL109801, AP000167, D87009, AC006449, Z95113, AP000553, AC004685, AC006117, Z95152, AL033527, AF047825, AF134726, AC002551, |

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| | | | | | AL049872, AC002126, AC006480, AC004084, AL031291, AL121748, AC004933, AC004128, AL031295, D87675, AC009294, AC005332, AC008101, AC005104, AL139054, AC010206, AL008715, AC006239, AC006530, AL022327, AL035551, AC005389, AL096791, AL049712, AC005081, AP000555, U91326, AC007182, AL034429, Z98257, AL132641, AC007899, AL022316, AC004583, AC003103, AL133353, AC002554, AC004699, AL050321, AC005859, AC004645, AC003043, AC002468, AP000248, AC007536, AP000689, AL021808, AC002316, Z68273, AC005914, AP000494, AC005755, AL133448, AL022326, Z82188, AC005102, AC002544, AC005086, AL031587, AC005669, AC005037, AC007395, AC005015, AC004797, Z98949, AL049589, AC005778, AC006026, AC019014, AC004878, AC004905, AC003108, AL035086, AC005821, AC006547, AL031311, AL135744, AC005722, AL031575, AL049830, AP000514, AC005616, AL008726, AP000501, AP000343, AC008928, AP000512, AF196971, AL008730, AC006365, AC006312, AP000116, AL009178, AC002312, AC006111, AL049874, AC004125, AL132992, AC007664, AC005921, AL135879, AL121790, AC004526, AF205588, AC002302, Z98752, AC005412, AC004584, Z49866, AL022163, AL035587, AP000569, AF107258, Z99755, Z95327, AC005863, AC006344, AC005369, AL008583, AL133485, AC007371, Z73358, AC000118, AC006538, AP000100, AC006128, AC004902, AL009172, AF165926, AC006006, AC007263, AP000688, AL049760, AC006139, AL031428, AL050341, U91321, AC003042, AB016897, AC004675, AL022320, AC007314, AC004148, AC002985, AB023048, Z84480, AF196779, AL135960, AJ131016, and AC007376. |
| HCWCS12 | 911 | 585202 | 1 - 285 | 15 - 299 | |
| HCWCS51 | 912 | 921636 | 1 - 217 | 15 - 231 | |
| HCWCT07 | 913 | 954070 | 1 - 258 | 15 - 272 | AC002306. |
| HCWCT23 | 914 | 676336 | 1 - 250 | 15 - 264 | |
| HCWCT48 | 915 | 741925 | 1 - 447 | 15 - 461 | AC005599. |
| HCWCT85 | 916 | 527543 | 1 - 321 | 15 - 335 | |
| HCWCU01 | 917 | 921618 | 1 - 310 | 15 - 324 | |
| HCWCU17 | 918 | 577688 | 1 - 329 | 15 - 343 | AA729117, AL1791301, AL1791458, AL1732502, AA171892, and AA526416. |
| HCWCU32 | 919 | 725584 | 1 - 427 | 15 - 441 | AL014353, AA592982, and R17976. |
| HCWCU57 | 920 | 764602 | 1 - 451 | 15 - 465 | AW418610, and AL109667. |
| HCWCU58 | 921 | 527695 | 1 - 305 | 15 - 319 | |
| HCWCU63 | 922 | 527541 | 1 - 163 | 15 - 177 | |
| HCWCU94 | 923 | 713416 | 1 - 292 | 15 - 306 | |
| HCWCV01 | 924 | 921569 | 1 - 293 | 15 - 307 | AI433503, AA715955, AW150900, W04964, AL031662, AL109623, AP000009, Z98742, and AF196969. |
| HCWCV09 | 925 | 861950 | 1 - 420 | 15 - 434 | |
| HCWCV16 | 926 | 861839 | 1 - 552 | 15 - 566 | |

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|---------|-----|--------|---------|----------|---|
| HCWCV58 | 927 | 966512 | 1 - 314 | 15 - 328 | W21218, AI445373, AI049701, N42508, AI870444, AA151904, AI564301, AA147801, AL134898, AL120698, AI056259, W63553, AA515172, N73169, AI246061, AA278496, AW019964, N77384, AI537020, AW238016, AI557090, AI223626, AI973173, F08866, AW021116, R48980, AI860535, AI054090, AI251024, AA728861, AA565911, AA715351, AI284543, AI254770, AA448050, AI927261, AI251944, AI251034, AI251203, AI251284, AA559166, AI250552, AL096791, AC010205, AP000201, AP000097, Z99716, AP000240, Z98304, AC003087, AP000556, AL031685, AC006211, Z98742, AC005034, AC004223, AC002476, Z83844, AC007380, AP000557, AL034555, AC005839, AL132716, AL034449, AP000553, AC003007, AC004991, AC012083, AC002381, AC002425, AL022324, Z98946, AC005015, Y10196, AP000355, AC005821, Z93023, AC002470, AC002091, AL139054, AF130342, U80017, AL035420, AC004485, AL121653, AC009509, AC005740, AC005722, AP000248, AB023049, AR036572, U91328, AC004126, AL033397, AC007707, AL049694, AC006130, AL035659, AL109865, AF196969, AC005829, AL109657, AC002368, Z84466, AC009247, AC002347, AC007055, AC005011, AF001549, AC004827, Z98048, AP000352, AL031680, AC005235, AL049794, AC005081, AC003029, AC003101, AC004079, L44140, AC005261, AL121652, AC004659, AC006992, AL034419, AF111168, AC005003, AC005486, AP001053, AC012384, AC006285, AC005089, AC005534, AC005071, AC004797, AL022165, AP000343, AC006312, AC005519, U89337, AL078613, AC003663, AP000501, AL021878, AF200465, Y07848, AC002457, AC003982, AC005696, U95739, AL022334, AC006511, AC006333, Z98051, U96629, AP000039, AP000107, AL079340, AL031281, AC009399, AC007057, AL031228, AC002563, AL035587, AC005919, AC005274, AC005911, AL035071, U91323, AC005072, AL031286, AL121603, AL034582, Z84489, AC008498, AC004491, AP000345, AC007193, AC004448, AC005952, AP000555, AC007225, AL133163, AC005330, AL050404, AP000689, AC005632, AL096701, AC005225, Z83826, AL109801, AL035682, AP000344, AL008718, AL022326, AC004139, AL008627, AL031985, AC005799, U78027, AC004834, Z98941, AC004821, AC005014, Z98884, AF196779, AP000300, AC005095, AC006512, AC007934, AL117337, AC007200, AL035422, AC005243, AL031283, U82828, AC005332, AC005971, AL035089, U52112, AL022336, AC005702, AC004891, L48038, AL132826, AP000113, AP000045, AC007011, Z93017, AC004816, AL022319, AC004647, AC006529, AC004859, AC005684, AC007551, AF205588, AL049692, AC004475, Z98044, AL034553, AC007371, and AC003689. |
| HCWCV75 | 928 | 527080 | 1 - 226 | 15 - 240 | |
| HCWCV85 | 929 | 966987 | 1 - 318 | 15 - 332 | AC004801. |
| HCWCV93 | 930 | 792550 | 1 - 76 | 15 - 90 | |
| HCWCX18 | 931 | 574933 | 1 - 364 | 15 - 378 | |
| HCWCY16 | 932 | 507191 | 1 - 215 | 15 - 229 | |
| HCWCZ33 | 933 | 523265 | 1 - 223 | 15 - 237 | |
| HCWDB74 | 934 | 521894 | 1 - 265 | 15 - 279 | AA745628, N69399, R32162, T51436, AI246386, H80215, AI139971, N27874, AA565911, |

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| | AA523719, AW390278, AL566236, AA515160, AA299351, AA425924, AA984585, AL583745, AA649174, AW377921, AL570019, AL281622, AL679759, R70884, AA833828, AW377907, AW377863, AW377912, AA078384, AA468494, H60331, AW176639, H63953, AA468956, AW390555, AW377894, AL038977, AW377926, AW377843, AW377862, AA484191, AW390250, AA702637, AA584788, AL133083, AL246061, AA516018, AA678616, AW151870, AA548221, AL524240, AA468975, R70883, AW384076, AW237903, AA514450, AA218835, AL734155, AL282821, AL983447, AL722331, F33820, AL749306, AL538491, AW270255, AW337483, AA309457, AA334993, T31290, AA357878, T53133, AW179040, AA572813, T40210, AL369925, AA579281, AL240755, AA625565, AA419225, AL290777, AL373810, AA366676, AL628482, AW379218, AL042667, AL042670, AA564925, AL050321, AL023807, AL033524, AC005081, AC005015, AF121781, AL035106, AL080243, AL049611, AC005225, AL031286, AF001549, U61981, AC005746, Z69705, AC005940, AC002112, AP000131, AP000209, AC004754, AL049776, AL034421, AL022069, AC005291, AJ011930, AL008629, AL022400, AL031428, Z82179, AL022336, AP000264, AP000101, AP000035, AL035690, U50871, AL035445, AC005368, AC005527, D87675, AC005480, AC005844, AC007227, AL022721, AC007283, AC003963, AC004890, AC000003, AC002073, AC005901, AL049712, AC007656, AC006305, AP000094, AC003954, U66061, AC005516, AC007298, AC005235, AF067574, AC005529, AC005383, AC006576, AC010170, AC005972, AC005821, AC002390, Z84474, AL031848, AP000501, AF184110, AP000502, AF134726, AC006059, AL109865, AF109907, AC006271, AC005899, Z98749, AC002456, AC005037, AC004137, AC004966, AP000140, AP000089, AL022326, AL035455, AL049588, AC007226, AC005874, AF134471, AC002542, AL139054, AC005377, AL033392, AL022725, AC005011, AL121769, AP000543, AP000239, AL031588, AC009275, AC004230, AL034548, AC009308, AL031257, U96629, AC002472, D28126, AP000282, AC007536, AC004913, AL049563, AC005086, AL022396, AF047825, AF053356, AL096774, AC004216, AC006008, AC006241, AC005091, AP000313, AC004209, AL022311, AL021937, AP000513, AL034350, AC003070, AC004020, AC005694, AP000194, AL035413, AB020863, AC006417, AP000088, AL049834, AC005164, AL078639, Z95118, U95742, AC012085, AP000108, AP000040, AC006088, AC004583, AC004500, AC004812, AP000050, AP000248, AL096791, U91326, AC007263, AF030876, AL121825, Z84466, AC002395, AL049781, AC000041, AF045555, AL020997, AC005914, AL031668, AC007666, AC000035, AC004143, AL022237, AC003030, AC004558, AC004217, AC002551, Z98048, AC000025, AL034551, AL022324, AC019014, AP000350, AC005261, AC005010, U85195, AF111168, AE000658, AC006011, AP000117, Z98745, AC007934, AC006254, Z92542, AC005230, AL035071, Z99943, AL035460, AL133245, AL121653, AC007425, Z82194, AC006430, AC007347, AL022238, AC006001, AC007057, AL049872, AC006277, AL034423, Z95400, AC008273, Z95152, AC004805, AF172277, AC005678, AC005184, AC005722, AC002289, AC002369, AP000503, AC005846, AC002403, AC005288, AC002307, AC010202, |
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| | | | | | | and AC008041. |
| HCWDB94 | 935 | 531417 | 1 - 299 | 15 - 313 | | |
| HCWDD15 | 936 | 660571 | 1 - 264 | 15 - 278 | | AI697096. |
| HCWDD60 | 937 | 575555 | 1 - 147 | 15 - 161 | | |
| HCWDG46 | 938 | 715509 | 1 - 147 | 15 - 161 | | |
| HCWDG49 | 939 | 861951 | 1 - 449 | 15 - 463 | | |
| HCWDH65 | 940 | 574250 | 1 - 533 | 15 - 547 | | |
| HCWDH85 | 941 | 574262 | 1 - 168 | 15 - 182 | | |
| HCWDH92 | 942 | 790618 | 1 - 212 | 15 - 226 | | |
| HCWDI37 | 943 | 849867 | 1 - 414 | 15 - 428 | | |
| HCWDI43 | 944 | 527685 | 1 - 309 | 15 - 323 | | |
| HCWDI64 | 945 | 924632 | 1 - 238 | 15 - 252 | | |
| HCWDI72 | 946 | 573034 | 1 - 163 | 15 - 177 | | |
| HCWDI79 | 947 | 526765 | 1 - 394 | 15 - 408 | | |
| HCWDI82 | 948 | 671636 | 1 - 221 | 15 - 235 | | |
| HCWDI89 | 949 | 953750 | 1 - 756 | 15 - 770 | | AA703394, AA128633, AA001607, T91402, AA001264, T84635, AA877628, and T25726. |
| HCWDI92 | 950 | 733422 | 1 - 341 | 15 - 355 | | AP000456, and AL078474. |
| HCWDI21 | 951 | 524780 | 1 - 347 | 15 - 361 | | |
| HCWDI23 | 952 | 527555 | 1 - 346 | 15 - 360 | | |
| HCWDI31 | 953 | 531418 | 1 - 262 | 15 - 276 | | AA843450, AA077952, F19258, AA626678, AA469451, AA340003, AA743956, AA745410, N27351, AA327323, AW438916, F29989, AW406755, AI872227, R91994, AW021583, AI358229, AL041368, AW340844, AW440836, AI365988, AI792108, AW339687, AI635272, AA618158, AI439269, F31204, AI824562, AA077817, AI246796, AI205126, AA515128, AW105538, AI003734, AL133723, AI803348, AI250019, AW236342, AI144055, AW088202, AA932099, AA594145, AI216799, AA377730, AA077223, F37286, AA486680, AA016075, AW304584, AW440976, AA947801, AA515938, AA228329, AL040913, AW269639, AI820539, AI286264, AA515435, AA551509, AI003743, AI291124, W60516, F35659, AI291268, AI963263, AW074398, AI537030, AW419262, AL037554, AA610786, AI267847, AA362700, AA084070, AI653809, AW104748, AI608626, AI003172, AA515224, AA713815, AL138265, AW086257, C16459, AI962050, AA745582, AA077935, AA581342, AA338234, AL079812, AA633892, AI050007, AI917271, AA363989, AI471481, AA744074, AA744088, AA745355, F25203, AL120483, AA515051, AI357551, AI929531, AI049722, AI433187, AW162049, AW303876, AI284640, AI816537, AI908628, AA557879, AI873916, AW407578, AA501344, AI469878, T12272, AA659774, AA252729, AA338431, M78177, AI802526, AI952786, AI244758, AW274349, AI890923, AA715606, AW338754, AA341398, AI866964, AI240891, AW303196, AW301350, AW188484, AW029038, F36273, AI306524, AI287284, AI904894, AW166815, |

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| AI474713, AA984191, AW338500, AW265253, AA179136, AA348248, AA557325, AA192740, AA669961, AA178953, AI082510, AW193432, AI688846, AI291823, AA252763, AI312790, AI039809, AI336054, AI355587, AI138455, AA025083, AI139968, AA229785, AA598824, Z98473, AA729264, AI282832, AW028400, AW327961, AW131034, AI761471, AI951928, AA503258, AW327960, AI926846, AA679872, AA856981, AA501614, AA501600, R68874, HI6048, AA664535, H86388, AA024517, AI890540, AW419118, AI000800, AI610159, AA327782, AI610920, AW242020, AA434484, AW102955, AI951889, AW419161, AI110444, AA078849, AI133164, AW193265, AC004072, AL034379, AC007537, AC006571, AC005826, AC005544, AC005988, AC004152, AC005288, AC004930, AP000008, AL031905, AP000704, Z84469, AB031740, AL031650, AL009179, AL133512, Z95329, AC005409, AL117355, AL030996, AC005389, AL031655, AC005915, AC005899, AL021368, Z82214, AC006080, AC004542, AC005914, AC005864, Z98946, AF181896, AC005324, AC002429, AL022310, AC007388, AL121655, AL121576, AC006024, AI246003, AC006456, AL079340, AL121757, X96421, AL035688, AL035417, AC005043, AC005703, AL034554, AL035588, AP000014, Y10196, AC007239, AC005274, AL121603, U91326, AC006057, AC003013, AP000114, AP000046, AL049557, AL031681, AL031258, AC007695, AC003959, AL049635, AC006026, AC007226, AL078603, AC000026, AF129756, AC006040, AC003084, Z86090, AF027390, AC004167, AL022329, AC006317, AP000359, AF165175, Z68870, AC009464, AL049830, U02048, AC005574, AP000456, Z82190, AC003030, AC006137, AL031983, AC004614, AL121825, L77570, AC005003, AC002451, AC005681, AL022721, AC007319, AC006374, AC004506, AC007021, AL049814, AC003007, AC005041, Z83819, Z83849, AC005738, AC004186, AC005781, AC004854, AL008582, AF031078, AL031297, AL031286, AC004132, AF030876, AC007899, AC005295, AC004972, AL133321, AL035089, AC004491, AC000134, U66059, AL035683, AC002067, AF124730, AL109628, AC005081, AC007919, AL049697, AL109758, AL121653, AC004228, U47924, Z97181, AB023048, U73633, AC004027, AL035530, AL035427, AC005175, AC006160, AC008498, AP000553, AC004909, AL135746, AC004019, AC005755, AP000695, AC005277, AC005839, AL136297, Z76735, AC005537, AF029308, AC004382, AC004903, AL121823, AF042091, AC002487, AC005632, AC003003, AF049895, AC005412, AC000045, AF190465, AL049760, AL049709, AL031577, U95742, AC007533, AL008723, AL033403, AC007955, AL049832, AL022238, AL031597, AC005821, AP000517, AL049839, AL034384, M87918, AC004947, AC005166, AL033518, AC007677, AC008115, Z82215, AC007285, Z98885, Z83822, AC008125, AC006480, AL049776, AC006030, AC004008, Z95115, AL022170, AP000330, AC004889, AL049757, U91322, AC007011, AP000215, AL023553, AC006088, AC004805, AC007510, AC002553, AC005088, AC004991, AC005224, AB023054, D87675, AC008012, AL049779, AP000459, AC004975, AC006145, AC007262, AF094481, AC002117, Z98950, AL031279, AC005291, Z98751, AC004770, AC007666, AC005678, S48196, AL034408, X53795, AC006353, AL096791, AC002543, Z83001, AC005264, |
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| HCWDJ45 | 954 | 523227 | 1 - 440 | 15 - 454 | X55448, AC006388, Z85987, AL021940, AC004029, and AC005011. |
| HCWDJ89 | 955 | 697736 | 1 - 410 | 15 - 424 | AC003678, and AC003689. |
| HCWDL19 | 956 | 669721 | 1 - 356 | 15 - 370 | AA279751. |
| HCWDL45 | 957 | 889416 | 1 - 397 | 15 - 411 | Z98747. |
| HCWDL68 | 958 | 752320 | 1 - 163 | 15 - 177 | AA315353. |
| HCWDM02 | 959 | 920563 | 1 - 413 | 15 - 427 | |
| HCWDM06 | 960 | 935898 | 1 - 175 | 15 - 189 | |
| HCWDM07 | 961 | 953742 | 1 - 468 | 15 - 482 | |
| HCWDM14 | 962 | 849962 | 1 - 370 | 15 - 384 | AW275378, AA551080, AA971039, D45576, Z60609, and Z60608. |
| HCWDM23 | 963 | 676215 | 1 - 449 | 15 - 463 | |
| HCWDM60 | 964 | 754785 | 1 - 324 | 15 - 338 | |
| HCWDM79 | 965 | 578967 | 1 - 340 | 15 - 354 | |
| HCWDN15 | 966 | 557862 | 1 - 193 | 15 - 207 | AF049574. |
| HCWDN60 | 967 | 861882 | 1 - 273 | 15 - 287 | AW104830, and Z99714. |
| HCWDO11 | 968 | 967364 | 1 - 339 | 15 - 353 | |
| HCWDO56 | 969 | 961273 | 1 - 516 | 15 - 530 | |
| HCWDO65 | 970 | 920523 | 1 - 424 | 15 - 438 | |
| HCWDP85 | 971 | 747141 | 1 - 282 | 15 - 296 | |
| HCWDQ35 | 972 | 573577 | 1 - 311 | 15 - 325 | |
| HCWDR01 | 973 | 839104 | 1 - 465 | 15 - 479 | |
| HCWDR42 | 974 | 529354 | 1 - 285 | 15 - 299 | AC022517. |
| HCWDR63 | 975 | 849899 | 1 - 531 | 15 - 545 | AC006146. |
| HCWDR86 | 976 | 527690 | 1 - 513 | 15 - 527 | H47333, AA465102, AA614574, AC006343, AL049759, AC004876, AC006515, AC007057, AC005370, AL096755, AC004084, AC005037, and AC005488. |
| HCWDR89 | 977 | 787025 | 1 - 283 | 15 - 297 | |
| HCWDS10 | 978 | 880973 | 1 - 410 | 15 - 424 | AA158919. |
| HCWDS19 | 979 | 418009 | 1 - 203 | 15 - 217 | |
| HCWDS26 | 980 | 684696 | 1 - 370 | 15 - 384 | A1859744, AA525331, AW249151, A1720943, AA715075, A1567391, AA715173, AA482928, AA209208, AA774098, AW372037, AL049569, AC004962, U82828, Z97054, Z84466, AC004087, AC007684, AC006312, AL022323, AC005971, AL034420, AL021154, AC003108, AC007298, AC002477, AC005527, AC003003, AL031663, AC007160, AF001549, AF109907, AL049843, AC005280, AC004520, Z97353, AC005399, AP000213, AC004222, AC002549, AC007685, AP000135, AL117258, Z98949, AC005914, Z95115, AC005529, AC004554, AP000031, AC006116, AC002302, AC006077, AC005324, AL133245, AC006006, AC005618, U96409, Z82206, AC006210, AC006195, AC004884, AC005235, AC007686, AL034429, AC002349, |

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| HCWDS40 | 981 | 523301 | 1 - 427 | 15 - 441 | |
| HCWDS41 | 982 | 669754 | 1 - 352 | 15 - 366 | AA093224, N89520, and AF045432. |
| HCWDS48 | 983 | 861849 | 1 - 425 | 15 - 439 | AI937612, AA729747, AW081591, T57592, and AC005261. |
| HCWDS52 | 984 | 771881 | 1 - 343 | 15 - 357 | AI049996, AI538540, R94288, AA365586, AI952900, AC004253, AC004815, AC005529, AC004686, AC002351, AC005722, AC009178, AL049709, AJ003147, L44140, AC005231, AC005071, AL135744, AC007676, AC004895, Z99716, AC008372, AC002126, AC000120, AC006241, AC005527, U48696, AC005841, AC006486, AC002316, AC004024, AL121852, AC006023, AC005703, Z68324, AL031767, AL031848, AC005781, AC006538, AC006084, AC006285, AL080243, AC004820, AL035413, AL133448, Z93023, AP000552, AL022721, AF196779, AC009464, AL050307, AC005348, AC004623, AL109799, AC004067, AC004887, AL034420, AL117694, AP000688, AC004890, AC011311, AP000513, AC007225, AC002477, AC007376, AL031680, AC016025, AF196969, AL133249, AC004526, AC002073, AC004263, AL021578, Z85987, AC002365, and AC007686. |
| HCWDS55 | 985 | 861943 | 1 - 441 | 15 - 455 | |
| HCWDS59 | 986 | 934914 | 1 - 417 | 15 - 431 | N83993, N83168, AC004924, and AF045432. |

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| HCWDS61 | 987 | 741992 | 1 - 394 | 15 - 408 | AA406404, AW405796, AA233053, A1741861, H67245, AA202217, A1301933, R69395, H43955, AA625270, AA371992, A1033494, N42102, AW025130, AA010129, A1870802, R48046, A1799541, H26714, A1304348, A1017809, A1310484, AA056473, A1220164, AA234535, A1208430, A1470071, A1560756, H81562, H26715, A1131097, AA232686, and AC004258. |
| HCWDS83 | 988 | 612257 | 1 - 480 | 15 - 494 | N88601, AA247964, N88782, AA095359, H58760, N83168, N89520, N84855, N83991, AA247827, N83992, AA096046, N84048, S78798, AF103726, U48696, AF045432, AF039698, AF102850, and AR066487. |
| HCWDS91 | 989 | 557931 | 1 - 431 | 15 - 445 | AC005940. |
| HCWDS94 | 990 | 959650 | 1 - 417 | 15 - 431 | |
| HCWDT12 | 991 | 573487 | 1 - 368 | 15 - 382 | |
| HCWDT84 | 992 | 542238 | 1 - 320 | 15 - 334 | |
| HCWDV17 | 993 | 974478 | 1 - 684 | 15 - 698 | N88601, N84855, N89520, N83992, AA095359, AA247827, AA247964, N84048, N83991, AA096046, N83168, N88782, H58760, AA093224, N84718, N83993, AA095641, AA096066, N86694, N84712, AA471338, N55698, N88518, N84830, N84829, AA215908, AF045432, AF103726, S78798, AR066487, AF039698, AF102850, U48696, AF032922, AJ243486, and U39066. |
| HCWDV82 | 994 | 529210 | 1 - 124 | 15 - 138 | AL132712. |
| HCWDW05 | 995 | 852997 | 1 - 332 | 15 - 346 | N57782, AW157128, A1038029, AA129000, A1061313, AA349923, A1520984, A1174489, A1828721, A1285651, R79396, AW192002, AW337817, AA533660, M77964, AW021674, AA557945, AA364147, AA135761, AA018258, AW021847, A1572680, AW069110, A1370470, N80469, A1308529, N55076, AA610644, AA205931, AA579417, H24331, F17312, AA526659, A1345256, A1708565, A1307563, N99564, H52795, A1003391, AA828840, AA730530, H59856, AA526658, A1003068, AW020682, A1684999, A1760850, AA218684, AA084320, A1567676, AA676462, AA084148, AW028376, H53373, A1124558, AW341878, AA834891, AA598497, R87909, AA053463, R86876, A1570067, T59937, AA468923, R88475, AA083850, AW069769, AA372646, AA632869, AA293809, H81012, AA411337, A1884404, F04021, AA613765, A1926876, AA015948, AA658443, AA748071, F24745, AW243864, H57065, AL044566, N25281, N55296, AA227713, AA369465, AA640305, H05066, AC004983, AC005234, AC003102, AL079342, AF111168, AD000671, K03021, AL031291, AL022318, AP000691, AC005031, AC005046, L47222, AC005331, AC004999, Z98200, AL133448, AL049540, AC006088, AC005839, I34294, AC005412, AL121655, AC005332, Z97630, Z93017, AL121825, AC007537, AC006953, AC005180, AL080243, AL035071, Z84488, AC005837, AC002369, AL035587, AC005089, AC007055, U85195, AP000692, L47229, AC006946, AC004491, AC005081, AC006116, AE000658, AC005329, Z94161, AC002310, AC005102, AC004099, AC007051, AC005755, AC005696, AC006277, AC007919, AP000689, AC005355, AC007546, AC005666, AC005768, AC005011, AC002312, AL034548, AL050321, L47227, AL135744, AC005682, AC007676, AC012627, AC005300, AB001523, AC000379, AC000039, AC005538, AC006251, |

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| | | | | | AB003151, AL049759, L44140, AC000070, AF196779, AC000082, AL049694, AC004859, Z81364, AC005921, AL049757, Z95114, U91323, AL078584, AC006449, AC006443, AL121653, AC000159, AC005828, AC004765, AL021407, AL031286, D28126, AC006079, AL022163, AP000260, Z98946, AP000210, AP000132, AP000213, AC006942, Z93024, AL021877, AC007536, AL096701, AP000555, U07562, AL022315, AL246003, AP000135, AL035086, AP000099, U80017, AL133163, L78810, AC003098, AC005971, AP000356, AC002492, AP000036, AC005231, AL050318, AL049872, AP000248, AC005800, AC005821, AL022326, AP000031, AL033533, AC005280, AC004019, AC005484, AL049869, AL031229, AC002381, AC008041, AF001549, AC003957, AL109798, AC007371, AC006040, AL031255, AF045555, AC006006, AC002045, AF015416, AC002553, AL121658, AL035460, AP000557, AL020997, AC006075, AC004997, AL031774, AL031737, U91326, Z69705, Z83844, AC002039, AP000317, AC003665, AP000051, AP000119, AP000166, AL008719, AC004000, AC004150, AL031589, AP000500, AC008372, AC002470, AC006509, AL022302, AC002094, AL034420, AL009179, AC004650, AL022316, AC004985, AC004893, AC000025, AP000553, AC004754, AP000365, AL023799, AF196969, AC007421, AL024508, AC005585, AP000547, AC002464, AC006222, AC006468, AC004953, AC003083, AL139054, AP000255, AC009405, AC004242, AL035458, AC005200, AC005527, AL024498, AC005606, AL049781, U95739, AL021453, AL121769, AC004659, AC002565, AC005323, U95742, AP001052, AC004895, AC001228, AC005520, AP000152, AC000388, AC004703, AC002543, AC004975, AL022165, AL109984, AC004673, AC005039, Z95116, AC004263, AC009516, AL049553, and AC004973. |
| HCWDW08 | 996 | 861936 | 1 - 372 | 15 - 386 | AC011625. |
| HCWDW13 | 997 | 523236 | 1 - 344 | 15 - 358 | |
| HCWDW17 | 998 | 849938 | 1 - 294 | 15 - 308 | |
| HCWDW29 | 999 | 849939 | 1 - 223 | 15 - 237 | H05821, AI821975, AI022708, R98591, AC003662, AC004966, Z99128, AC005510, AC004859, AL079342, AC005067, AL031577, AC007425, U62317, AC004686, AL049631, AP001040, AC006014, AB023051, AP000512, Z74739, AC003109, AC004834, AL022238, AC009509, AC005488, AC000026, AC002059, AC005874, AF134471, AC005844, AC005737, AC010205, AC005476, AC002045, AC000039, AC004750, U95740, Z83845, AC002551, AC005015, and AP000496. |
| HCWDW33 | 1000 | 573554 | 1 - 333 | 15 - 347 | |
| HCWDW42 | 1001 | 462405 | 1 - 533 | 15 - 547 | AA828984, AA365347, N43757, AA450199, AI921649, AI376100, AW074059, AI356904, AI922654, AI564284, C18357, C18360, AA658235, N53150, AA100489, T28550, AI956124, AI453383, AA593060, AA428414, AA192337, F26152, AI570138, AA829106, AA776936, AA828704, AA776921, T16592, AA584749, M86058, AA228329, AA653964, AA328591, AA303261, AA353595, AA723017, F24284, N59782, AA320748, AI371429, W07032, AA703692, AA397572, AI372413, AI758582, AI364809, AI176924, AA927637, AI340453, AA558656, AI561335, AA372875, AI061334, AI053672, AI334443, AA919037, AA196020, AI349874, |

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| | | | | | <p>C16624, AW117750, AI688846, AI921188, AW303876, AI963720, AA528516, AL046409, AI344844, AC007848, AC004712, AL121603, AC006277, M62424, AR025392, AP000352, U96409, AL033381, AC004066, AL109799, Z84718, AC005338, AL136295, X03272, AP000496, AC004862, U63721, AP000134, AP000212, AF107885, AC005866, U66059, L78833, AC004941, AP000350, AF131217, AC003983, AP000351, AL121934, AC006333, Z99774, AP000692, AC004592, Z92540, AC008115, L49046, AC005887, AC004992, AC003966, AC005618, AL022329, AC007536, X78901, AC006538, AL021918, AC006241, U47924, AC004802, AC006120, AL096862, Z84474, AL109984, AC005856, U95740, AC006332, AC007263, AL022323, AP000356, AL031733, AC004638, AC003112, AL049613, AP000512, AL022318, AL079340, AL049757, AC004933, AC005696, AP000034, AC004741, AC007435, AC005690, AL020993, AL009031, AC002326, AC005940, AC006007, AL133382, AL035681, AL121591, AC007285, AL008629, AL031255, AF023268, AC006146, AL035460, AC006462, AL049776, X53548, AC005625, AP000252, AC006077, AL049610, AC004542, AP000031, AL139054, AP001053, AC006285, AC007680, AL035071, AL133485, AC009516, AL109657, Z99496, AC008134, AC003035, U07977, AL121915, AC004804, AP000553, AC002508, AC016026, AL049712, AL021155, AC004010, AP000354, AC003050, AC005231, AC006511, AP000552, AP000230, AP000144, AC004895, AC020663, AC000353, AC007707, AC008173, Z86062, AP000555, AC006211, AL049766, AC004948, AC005911, AC003977, AL049759, AC004168, AC006449, AL132987, AL031276, AC005284, AF190465, AC002425, AC004468, AC004383, AC002544, AL035361, AC005998, AC000003, AF023460, AC004659, AF015153, AC004087, AL021877, AL023284, AC004650, AC005703, AF108083, AC002364, AC006001, AC006157, AC005486, AF165926, and AL133245.</p> |
| HCWDW43 | 1002 | 714423 | 1 - 345 | 15 - 359 | <p>AW419201, AW274349, AI625244, AI613459, AL042420, AW302013, AI284640, AI312309, AW166815, AL119691, AA713815, AI471481, AA682912, AA581903, AW162049, AI929531, AL046409, AI281881, AA493464, AW073470, AW167799, AA531372, AA634227, AI859742, AW020340, F36273, AW303196, AW103981, AF177861, AI339850, AA425283, AA601492, AA521323, AA502103, AA630476, AW085751, AW301350, AA229005, AW103758, AI310670, AI567674, AW265385, F30933, AA244357, AW304584, AW341992, AI754955, AA219129, AW072963, AL038785, AI702049, AA521399, AI368745, AA593247, AA489390, AI935827, AI061143, AL036334, N53150, AI801591, AA631915, AA525824, AI889781, AI611990, AW162314, AI367975, AA469451, AA584201, AL042753, AA806796, AI174703, AA837677, AW265468, AA595661, AL121039, AW162332, AC005808, AC007051, AC007919, AF077058, AF015151, AL121934, AC005907, AL023575, AC007066, AC005754, AC005049, AC006511, X75335, AL139054, AL034420, AL009181, AC005330, AL049636, AL008582, AC007216, AL031680, AC005225, AL035659, AC002310, AC006037, AL009179, AC002544, U91326, AP000503, AF134726, D83989, AC004134, AC004099, Z85986, Z93023, AL022322, AC005231, AL035460, AL050312, AL049874, AC016026, AC006277, AP000704, AC016025, AC007845,</p> |

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| | | | | | AC004848, AC007227, AC007151, AP000563, AC002477, AC005082, AC005899, AC006076, M94631, AC002470, AC006312, AC005914, AL049844, AL021878, AL049712, AL133448, AC004895, AC004150, AL080243, Z97056, AL135744, AC004477, AC006468, AC004821, AC005632, AP000359, AC004890, AL096776, U63721, AL022316, AC006132, AL132718, AC004686, AF207550, AC000052, AC005081, AC006125, AP000211, AP000133, U14700, AC004921, U14698, AL121655, AL109963, AL008726, AP000095, AL031446, AC005694, AC005164, AC005776, AP000239, AC005324, AC004019, AL031602, AC007537, AF111168, AC004770, AL109798, AC005527, AL121603, AC000025, U15177, AC005250, AC005670, AL031728, AL020993, AC007229, AC006141, AC005184, Z86090, AC007899, AC003682, AL049757, AL049569, AL031311, AP001172, AL031229, AC005514, AJ003147, AC005837, AC004999, AC002564, AL109984, AC005399, AL109628, AJ011930, AC004832, AC002347, AC006373, AC005696, AL034421, AC005594, AC006992, AF124523, AF109907, AL031432, AL022329, AC002553, AC005180, D83253, AC005746, AC005480, AC007437, AL023879, AC002563, AL021808, AC007686, AC004228, Z83844, AC005736, AL031321, AC005037, AC005529, AF196779, AC004485, AC003109, AC004242, AC002350, AL008719, AF047825, AC009516, AL049758, AL035587, Z83846, AC004531, M87919, AC004876, AF165926, AP000111, AP000043, AC004918, AC000120, U80017, AL031589, AC002365, Z86061, AC006126, AC002465, AC007324, AC004559, AC004812, AL096791, AL049777, AC006449, AC005740, U85195, AP000967, AL132712, AC006360, U95742, AC005544, AC005785, M37551, AL020995, X87344, AP001039, AC004655, AC007043, X74558, AC005886, AC005913, AC005546, AC005911, AC005295, AC006948, AC007676, AC006543, and AP001037. |
| HCWDW57 | 1003 | 927656 | 1 - 235 | 15 - 249 | AC004961. |
| HCWDW61 | 1004 | 574859 | 1 - 351 | 15 - 365 | |
| HCWDW62 | 1005 | 849960 | 1 - 586 | 15 - 600 | |
| HCWDW73 | 1006 | 861934 | 1 - 373 | 15 - 387 | AA341865, AA363003, N40092, AI819262, AI061303, T30418, AI372604, AA322542, AW169038, H53217, AA078184, AA668166, T97322, AA572753, AA455205, AI359200, AA626840, AA515254, AI188049, AI270647, AA010973, AA420801, AL048275, AW247389, AA683091, AA350406, F00564, R95840, AA215585, AL079869, R49266, AA047849, N47855, AW327852, N52323, AA078137, N33851, AA713714, N72170, AF034180, AA470567, H60249, AI678581, H78898, H67649, AW068580, AA513884, AC003980, AC006241, AL031680, AC004552, Z93017, AC004805, AC002425, AC005069, AC005546, AC007011, AL109613, AC005632, Y14768, AC006254, AC007216, AC005920, AC005335, AC006312, AP000505, AC002073, AC007386, AC002352, AF196969, AF109907, AP000345, AL096701, AP000346, AL031846, AL031597, AC002400, AC003013, AC002398, AL049780, AL024508, AC005829, AC005089, Z99716, AL031662, AL136295, Z93930, AC004500, AP000359, AL080242, AL133312, AL024498, AC007388, AC006565, AL008718, AC005399, AC007276, AC005578, AC004895, AC011311, AP000696, AC004796, AC004491, AC006141, AC005231, AL031577, |

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| | | | | | Z83847, AC005189, AC005015, AF200465, AC000085, AC005598, AC006075, AC007358, AL031602, AC005280, U15177, AC004843, AC004849, AL096703, AC001231, Z82194, AC005822, AC006080, AC004638, AC005954, AP000065, AC004263, AC007686, AC006153, AL121769, AC004531, AC007066, AC007263, AC005004, AL049760, AC005940, AC000159, AC006299, AC006480, AC004821, AC004477, AL121658, AC005722, AC003026, AC007227, and AF196779. |
| HCWDW74 | 1007 | 952698 | 1 - 421 | 15 - 435 | |
| HCWDW78 | 1008 | 773698 | 1 - 336 | 15 - 350 | |
| HCWDW90 | 1009 | 529233 | 1 - 301 | 15 - 315 | |
| HCWDW93 | 1010 | 574155 | 1 - 401 | 15 - 415 | AL137740, and AF198488. |
| HCWDW94 | 1011 | 753166 | 1 - 942 | 15 - 956 | |
| HCWDW96 | 1012 | 975401 | 1 - 52 | 15 - 66 | |
| HCWDX19 | 1013 | 523233 | 1 - 447 | 15 - 461 | |
| HCWDX22 | 1014 | 967361 | 1 - 415 | 15 - 429 | |
| HCWDX36 | 1015 | 861932 | 1 - 366 | 15 - 380 | AI022659, AI248903, R16508, AL036251, AI688963, AI537814, AC005015, AC006512, AC000120, AF173228, AF053356, AC000119, AL096701, AP000558, AC007263, AC005519, AC002301, U47924, AC005902, AC004491, AL022316, AC005081, and AF003626. |
| HCWDX39 | 1016 | 573574 | 1 - 332 | 15 - 346 | |
| HCWDX52 | 1017 | 661568 | 1 - 535 | 15 - 549 | AW339619, AW169183, AI797998, AA595661, W85818, AL042667, AL042670, AL039117, AI744963, AA489390, AI732596, AI439525, AI251696, AA132947, AA748071, AW057760, AI732563, AA180056, AW265468, AW272815, AI174703, AI285651, AI049999, AI473671, AI250552, AW072963, AI254508, AA664963, AI251284, AI251203, AA564256, N70293, AA729004, AI251034, AI310670, AW409626, AI523205, C14614, AA814719, AA133568, AA598608, AI679486, AI869797, AI284543, AA599712, AA995373, AI224583, AA814503, AA639155, AI088903, AW273201, AW273146, AA425283, T03928, AW303098, AI308529, AA584484, AA503018, AA157876, AW086291, AI690379, AW020094, AW410844, N27340, AA324108, AI254770, AW409621, AA648605, AW069273, AI254267, U85195, AE000658, AC004263, Z99291, AP000510, AC002312, AC005837, AL009181, AC004587, AL109827, AL034420, AL139054, AF196779, AC005154, AL031293, AC002477, AC007384, AC004196, AB023048, AC006162, Z98036, AC006011, AC005740, AC002302, AC009516, AC005215, AL133163, AC005228, Z98051, AC007216, AC003029, AL133448, AC004973, AL121652, AL031311, AL135744, AC005041, L44140, AP000133, AP000211, AC002430, AL034549, AC005355, AC002314, AC004634, AC005829, Z95114, AC007240, AL022165, AC005913, AC002996, AL008582, AC005067, AL022334, AL109952, Z84469, AC004522, AL049569, AL035086, AF196969, AC006285, AC005225, AL035587, AC005409, AL031427, AC004148, AC004876, AC005839, AC003665, AC004929, AP000355, AC010205, AL096791, AC005330, AC004812, AP000252, AC005231, U47924, AC004887, AL034421, AC005257, AP000356. |

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| | | | | | Z86090, Z98742, AC006449, AL022316, D87675, AC002350, AC007226, AF109907, AC009247, AL031281, AP000008, AP000031, Z97630, AC007227, AP000691, AC002310, AC005202, Z85986, AL109628, AL022313, AP000503, AC016025, AC002369, U80017, AP000359, AL022336, AL096702, AC005911, AC003682, Y18000, AL049830, AC003982, AC000355, AC000379, AC005081, AC005015, Z98941, AL050317, AL096774, AC006013, X69907, AL135879, AL121790, AL096701, AC007011, AP000065, U52111, AC006057, AC004106, Z85987, Z94865, AC012330, AF165926, AC004874, AC004755, AC006241, AC009399, AC006538, AF205588, U78027, AC004765, AC004668, U95742, AC004520, Z96074, AL132992, AL022238, AP000248, AC004771, AC002544, AC008018, AC005722, AC005546, AL034429, L78833, AC004859, AC005049, AL035659, AL035684, AC004491, AP000257, AC004835, AL031680, AC004922, AL021918, AC004881, AC004686, AC006479, AJ246003, M89651, AL049757, AC005519, AC005527, AC003112, AC002425, AC002306, AP000704, AC005500, AC005779, Z93930, AL031276, AP000553, AL035422, AC004019, AC004815, AC007066, AC005377, AC004253, AC006121, AC002126, AC004647, AC005914, AC004584, AC004804, AP000152, Z95703, Z83844, AF196971, AC005800, AC006441, AC005058, AC008008, AC006084, AC005670, AF111169, AC004033, AC007731, AC004975, AC005730, AF129756, AC004386, AF134726, Z95115, AC003110, AC005726, AC000052, AL009172, AL022323, AC003010, AC005288, AC004858, AC005932, AC008044, AL020993, AC003101, AL080243, AP000511, Z69890, Z93017, AC007546, AC007934, AL031666, AP000689, AC007151, AC007298, Z99128, AC005821, AC005666, AC007421, AC002377, AC006581, AB025285, AL021406, AL121603, AL049697, and AL031584. |
| HCWDX65 | 1018 | 920877 | 1 - 340 | 15 - 354 | AL031296. |
| HCWDX76 | 1019 | 932614 | 1 - 226 | 15 - 240 | AA081685. |
| HCWDX85 | 1020 | 861933 | 1 - 330 | 15 - 344 | T27308, and AA187085. |
| HCWDY47 | 1021 | 573557 | 1 - 303 | 15 - 317 | |
| HCWDZ13 | 1022 | 657398 | 1 - 383 | 15 - 397 | |
| HCWDZ89 | 1023 | 576697 | 1 - 203 | 15 - 217 | |
| HCWEA30 | 1024 | 681277 | 1 - 396 | 15 - 410 | AL079734, AA581247, AA452887, AI912401, AA614163, AA182731, AA559241, AW151247, AA084609, H53217, N72170, AA228349, AI146750, AW188742, F00564, AL048275, AL038842, R95840, H66577, AA713705, AA470567, AI251429, H60249, N33611, T74524, AI289505, AI635440, AA654874, AA581471, AW237905, AI742168, AA228338, AA297666, AW008169, AA181917, AI249688, AA666295, AA601674, AA502991, AA481887, AA326034, AA570255, H63660, AL109827, AC007546, M37468, U47924, AC004230, AL109758, AC007226, AC004813, AC005379, AC004217, U91326, AC004150, AC006538, AC005924, AC005746, AC005212, AC004841, AC005399, U96629, AC009263, AC005332, AF003626, AC008072, AC007285, AL049643, AC005911, AP000502, AL135744, AC005288, AC004876, AL035697, AL136295, AF030453, AL109963, AF196779, AP000065, AC007277, AC004878, Z83822, AC005067, |

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| | | | | | AF196969, AL109984, AF134726, AC005088, AB023049, AC005488, AC010582, AL034429, AC003037, AL133448, AC006071, AC004638, AC005952, AC004686, AC005412, AC003036, AC004913, AP000245, AF165926, AL024498, AC007308, AC003963, AL050308, AC005587, AC004895, AC005004, AC006543, AC004890, AC006480, AL080243, AL031774, AC004787, AB017602, AL079342, AF129756, AC002300, AC002347, AC002996, AC005844, AC006441, AL030996, AC005670, AL035072, Z82243, AC005105, AC003962, AP000512, AC006530, AC005386, AL035422, AF031078, AC005913, AL035455, AC000111, L44140, Y14768, AF030876, AL031584, AC004448, Z82214, AC004491, AC006544, AL031680, AC007664, AC005529, AC007774, AC005484, AP000505, AC002476, AC005914, AC004079, AC005377, U91321, AC002470, AC002120, U78027, AC002994, AC006001, AL050341, AF088219, AC005015, AL139054, AL049838, AC006512, AC004475, AC002301, AL035457, AP000359, Y07848, AL008718, AP000699, AL021453, AC005562, AL133485, AC004019, AL109627, AL021707, AL035415, AL078638, AL049869, AC004760, AL121603, AC005619, AC007151, AC005796, AC004030, AL049872, AL022320, AC007240, D87009, AC005666, AL035249, AL035683, AC002350, AP000045, AP000113, AC007055, AC004967, AC006241, AC004675, X68793, AP000553, AC006271, AC010077, AL050332, Z83844, AC005480, Z98200, AC004263, AC005102, AC007386, AL034549, AP000694, AC007227, AC004859, AL023581, U95742, AC004854, AP000466, Z93244, AC005527, AC006064, AC000052, Z96243, AC005358, AC006254, AC002563, AC006132, AC005932, AL035658, AC002352, AC007999, AC009516, AL078581, AL035587, AL022318, Z98048, AF104455, AC002314, AC020663, AC004821, AF196970, AC005632, Z83840, AL049780, AC007216, AC004893, AC002126, AC006080, AL109799, AC004703, AC003110, and AC005954. |
| HCWEA65 | 1025 | 849918 | 1 - 214 | 15 - 228 | AC009405. |
| HCWEA77 | 1026 | 666180 | 1 - 359 | 15 - 373 | |
| HCWEA78 | 1027 | 697596 | 1 - 295 | 15 - 309 | |
| HCWEA82 | 1028 | 719028 | 1 - 356 | 15 - 370 | AC006026. |
| HCWEA84 | 1029 | 506718 | 1 - 331 | 15 - 345 | |
| HCWEA86 | 1030 | 574858 | 1 - 339 | 15 - 353 | |
| HCWEB11 | 1031 | 975408 | 1 - 65 | 15 - 79 | |
| HCWEB25 | 1032 | 925102 | 1 - 389 | 15 - 403 | |
| HCWEB28 | 1033 | 932114 | 1 - 341 | 15 - 355 | AL139054, AC004408, AL031427, AC006285, and AL078581. |
| HCWEB33 | 1034 | 925286 | 1 - 352 | 15 - 366 | |
| HCWEB37 | 1035 | 849854 | 1 - 411 | 15 - 425 | |
| HCWEB40 | 1036 | 514584 | 1 - 488 | 15 - 502 | AL046409, AL079645, AL732151, AL754955, AL587583, AL061313, AL120343, AL431303, AL755214, AL754567, AA651639, AW265385, AL244127, AL754105, AW069227, AL254779, AL044858, AA574442, AA284247, AL754653, AW020088, AL042635, AW301350, AW303196, AL1919265, AL281881, AA527602, AW162288, H07953, H05940, AW275432, AW274349. |

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| <p> AI590906, AI799642, AI188390, AI311647, AI053784, AW328331, AL040054, AW023111, AI679782, AA833875, AA833896, AI732764, AW327624, AI792529, AA644090, AI587565, AW157005, F13749, AL119838, AI696793, AA581903, F35374, AA600202, AI358089, AW162049, AW073470, AI929531, AI054193, AA657835, AA676592, AI885488, AL042856, AI654247, AW020992, AW069783, AI028510, AW004911, AW068996, AA829036, AI926728, AI912401, AA501784, AA533042, AW029038, T74524, AI821486, AI537020, AI216998, AI064864, AL138455, AI754023, AW304805, AA992126, AI821814, AA610509, AA226584, AA846935, T50676, AL042373, AW270385, F27015, AA773463, AA809546, AW410354, AA492495, AI339850, AI368745, AI801505, AW088202, AW328446, AC005256, AL049869, Z95115, AC007774, U29953, AC004531, AC005089, AC007487, AC007687, AL035587, AC005037, AC006511, Z85986, AL096791, AL022328, AC012627, AC005207, AF050154, AC006001, AC004883, AC005921, AC005856, AL022329, AC007204, AC002369, AC005377, Z98941, AC005399, AL022165, AL022476, AC002377, AC005971, AC005726, AC004590, U91325, Z98743, AC006251, AC007536, Z84480, Z98200, Z99943, AC007030, AL022313, AC005095, AC008115, AF015156, AC007676, AL096701, AC005581, AL023375, AC007227, U78027, Z95152, AC004859, AC007216, AC006449, AL035422, AC004797, AC005695, AL049636, AC003070, AC002425, U96629, AC005224, AC004455, AL049643, AF075098, AP000116, AC005184, AC005701, AC005378, AC005529, AC006088, AC003043, AC005619, AC005368, AC006026, Z99716, AL022238, AC005081, AC004821, AL031447, AC005261, Z84469, AL136295, AC006023, AC022517, AC007435, AL079340, AL008730, AL049697, AC005722, AC004832, Z82182, AC005520, AJ006996, AL049539, AC003108, AL133246, U95742, AC005180, AC005943, AC004770, AL034371, AC004685, Z97056, AC006121, AP000065, AC005592, AP000210, AP000132, AL031282, AP000350, AC004596, AL024509, AL117694, AC004099, AC004098, AL034548, AL024474, AC007688, AF015151, AC004263, AC005972, AL008635, AC005800, AC007277, AC004999, AP000248, AF064861, AP000694, AL008726, AC009516, AC005209, AP000466, Y14768, AL049776, AC006241, AC005808, Z84487, AL021397, AF196779, AF053356, Z82244, AF207550, AP000503, AC004559, AC000353, AC005332, AC006120, AL031650, AC002119, AC004638, AL050318, AL109627, AP000505, AP000359, AP000553, AC006512, AC005057, AC005736, U85195, AC006509, AC006077, Z98742, AF134726, AL132796, AL049766, AC005519, AC005360, AC006277, AC005015, AC006071, AL009181, AC005901, U47924, Z98883, AP000086, AP000496, U41384, AL133243, AL022323, AL078634, AC002314, Y18000, U62293, AC004253, AC004887, AL022326, AC002400, AC006273, AE000658, AL049576, AL031003, AP000008, AP000114, AP000046, AC005291, AC004858, AC000026, AL121603, AC006312, AF146191, AL050321, AP000152, AC005031, AP000555, AF190465, AC004765, AC006064, AL050307, AP000356, AC006530, AC006952, AL049650, Z93241, AF196969, AC005179, AL121658, U18399, AC002059, AC002563, AC006230, AC006372, AL031685, AC004106, AC002553, AC003982, </p> | | | | | |
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| | | | | | | AC007136, AL121748, and AL031279. |
| HCWEB56 | 1037 | 527051 | 1 - 534 | 15 - 548 | | |
| HCWEB71 | 1038 | 573147 | 1 - 423 | 15 - 437 | | AW362435. |
| HCWED11 | 1039 | 948689 | 1 - 429 | 15 - 443 | | AA724231, AW021007, AA278496, AL624379, AL439676, AA565911, AA837771, W63553, AL041613, AA569734, T03928, AW242279, T40210, AA354507, AL624234, AA864815, AL119563, AA740736, AA493784, AL459866, AL018726, AA507990, AA557945, F29968, AC010202, AL049553, AL031279, AC004104, AL034553, AL117694, AC007011, AL109627, AL096712, Z95152, AC006312, AL031283, Z93241, AC005243, AL031674, Z82215, AL096775, U24498, L39891, AL035681, AL035405, AL035683, AC005256, AC006146, Z85996, Z82179, AC005747, AC003950, AL031846, AC005821, AL135783, AC008041, AL079342, AC002430, AC003692, AC005519, AF196969, AC001644, AL021937, AC007510, AC004816, AC005358, AC002316, Z99774, U91323, AC007384, AC000025, AF139813, AC005089, AC002375, AC002978, AL049759, AL023807, AL035249, AC004228, Z95115, AF196971, AC004084, AC005696, AL034384, AC002395, Z82194, AC005632, Z83844, AP000355, AC002073, AP000359, AC005529, AC005919, AC005624, AC005600, AC004491, AL009181, AC006343, AC010205, AL031848, AC004961, AC005578, AC004953, D88268, AF001552, AL034429, AC002094, AC004552, AL049743, AC004889, Z97056, AC005940, AC008119, AL031666, Z82182, AL078463, AL050318, AC005793, AC004125, AC007371, AC007057, AL049872, U52112, AC005565, AC005244, AC005793, AC004125, AC007371, AC007057, AL049872, U52112, AF109907, AC004799, AP000346, AL022721, AF035397, AF003627, AC005509, AC006441, AL031228, AC005379, AC004025, AC005335, AC007537, AC003010, AL008583, AL109956, U82696, AC005332, AL031985, U12387, AC005841, U95740, U30518, AL031729, AF037338, U95743, AC004771, AL109657, AC012384, AC006316, AC009336, AP000501, AL133500, AP001063, AC004770, AC005538, Z85987, AC006486, and Z82190. |
| HCWED13 | 1040 | 573413 | 1 - 450 | 15 - 464 | | |
| HCWED61 | 1041 | 971865 | 1 - 469 | 15 - 483 | | AA995856, AL672210, T99719, AW148336, AL791144, AW440956, AW439999, AA907133, T05187, AL000677, AL678727, AA586390, AA767864, AA285156, H52303, AA018440, AL660071, AL270092, H91317, AA490072, AL798234, AC004876, AP000302, AL024498, AC005525, AL031280, AC003964, AP000046, AP000114, Z93241, AC005585, Z85997, AC007050, AF196970, AC000072, AF121781, AC006238, L77569, AC002302, AL050402, AC004623, AC005609, AF059321, AC007371, L13972, AC002563, AL022336, AL023878, AC005182, AP000501, AL034408, AC005067, AL050309, AC005358, AL035249, AC004703, AC006137, AF155238, AC007406, AC007955, AL133500, AC006270, AC005015, and AC004230. |
| HCWEE02 | 1042 | 920544 | 1 - 254 | 15 - 268 | | |
| HCWEE03 | 1043 | 924743 | 1 - 536 | 15 - 550 | | AA960780, and AC004542. |
| HCWEE07 | 1044 | 953731 | 1 - 398 | 15 - 412 | | |

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| HCWEE22 | 1045 | 572960 | 1 - 338 | 15 - 352 | | |
| HCWEE74 | 1046 | 738264 | 1 - 305 | 15 - 319 | | |
| HCWEE76 | 1047 | 770169 | 1 - 277 | 15 - 291 | | |
| HCWEE83 | 1048 | 781302 | 1 - 213 | 15 - 227 | | |
| HCWEEF56 | 1049 | 573570 | 1 - 449 | 15 - 463 | | |
| HCWEEF91 | 1050 | 849919 | 1 - 281 | 15 - 295 | | |
| HCWEEF92 | 1051 | 573568 | 1 - 350 | 15 - 364 | | |
| HCWEEF95 | 1052 | 526766 | 1 - 422 | 15 - 436 | | |
| HCWEEG09 | 1053 | 523251 | 1 - 329 | 15 - 343 | | |
| HCWEEG23 | 1054 | 531421 | 1 - 395 | 15 - 409 | | |
| HCWEEG31 | 1055 | 693687 | 1 - 400 | 15 - 414 | | AP000323, AP000053, AP000121, and AP000168. |
| HCWEEG47 | 1056 | 574191 | 1 - 355 | 15 - 369 | | AI828787, AC004983, AC004967, and AC006101. |
| HCWEEG51 | 1057 | 964642 | 1 - 290 | 15 - 304 | | |
| HCWEEG69 | 1058 | 948693 | 1 - 234 | 15 - 248 | | |
| HCWEEG70 | 1059 | 881254 | 1 - 431 | 15 - 445 | | H30197, H79077, R79607, R81361, W15301, AI141202, AA176978, R18372, AA570224, R02744, AW029277, AA579368, AA492524, AA493628, R94876, AA831826, H72049, H73336, AW117723, AW117704, AI652371, AI312527, AC005940, AL022323, AC004912, AL117354, AC006139, AC009028, AC008009, AP000514, AC004638, AF001548, AP000701, AC004687, J00081, AC004854, AC000046, AC007014, AC007182, and AL035691. |
| HCWEEG86 | 1060 | 572980 | 1 - 357 | 15 - 371 | | |
| HCWEH27 | 1061 | 527050 | 1 - 391 | 15 - 405 | | AF077000. |
| HCWEH53 | 1062 | 967056 | 1 - 429 | 15 - 443 | | |
| HCWEH76 | 1063 | 574187 | 1 - 319 | 15 - 333 | | AA808851, AA650159, and AA654653. |
| HCWEH93 | 1064 | 933146 | 1 - 314 | 15 - 328 | | |
| HCWEH94 | 1065 | 667919 | 1 - 744 | 15 - 758 | | AI733856, AW069227, AA410788, AW340905, AI625604, AW021917, AW068596, AA916430, AI687343, AA574442, AA847704, AW328331, AI890324, AA643770, AI963720, AA833875, AA833896, AW237905, AW117740, AI669589, AW084445, AA610509, AI634187, AA669155, AL079734, AL046409, AA502991, AI679759, AI061313, AI753488, AI926728, AL079645, AA468505, AA535216, AW328000, AI345681, AW023111, AA847499, AA579179, AI345675, AI284640, AW029515, AL040374, AI457313, AA719073, AI817230, AI583142, AW438542, AL040054, AI040051, AW303196, AI590442, AA644090, AW021583, AI613280, AW069769, AA904211, AA702637, AI431303, AA602906, AW301350, AI345695, AI254779, AI732483, AI282479, AA297145, AA630854, AA714011, AW193265, AA228778, AW419262, AI587583, AI587565, AL135377, AI753113, AW327868, AL138455, AA224889, AL119691, AA665330, AI270117, AA455483, AA127426, AI247101, AL037632, AI923050, AI566408, AW023672, AI613389, AA904275, AI679294, AI891080, AL138265, AI267356, AI859438, AI732865. |

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| <p> AI281730, AI431513, AW327624, AI251576, AA053463, AI244127, AL042753, AI284543, AI610920, AA622801, AW265688, AA832016, AI368256, AW410844, AA832175, AI223626, AA526542, AA668455, AW270385, AI336054, AI250552, AA483606, AI361090, AL047349, T67090, AA402129, AI753672, AI267450, AI345157, AW004884, AI251034, AI890348, AA832145, AA570740, AW341903, AA526326, AI275982, AW407578, AA721645, AL038842, AI791185, AA828047, AA650053, AI149478, AA526625, Z83844, AC006468, AC005484, AP001067, AC005488, AC007191, AP000331, AC020663, AC005527, AP000172, AP000057, AP000125, AC005529, AC004675, Z98946, AI121576, AF088219, AP000513, AL049557, AL049795, U95740, AC005229, AP000688, AL022326, AC002369, AL031311, AC005701, AL022237, AC009248, AL080243, AC005696, AC002316, AC002126, AL117351, Z93930, AC005746, AL121653, AC004962, AC005519, AL023575, AC005837, AL022163, X14448, AC007308, AC007225, AC006312, AC003043, AC006057, AF053356, AL021368, AP000555, AC005722, AC004821, AC004644, AC005903, AC006479, AL133382, U91323, AC007666, AC005695, AC004477, AP000505, AC006138, Z95116, AC002463, AF207550, Z84487, Y14768, AC005829, Z97054, AC006274, AC000115, AC009946, AL030996, AL049758, AC007277, Z97632, AL031730, AC003029, AC006111, AC006512, AL078612, AC009336, AC004476, AC005940, AC006530, AC004491, Z82203, U78027, AC004593, Z98051, AC005730, AC006965, AC007285, AC008115, AC005841, AL121603, AC006211, AP001068, AP000115, AL035422, AC005822, AC004832, L4140, AL031291, AC004084, AC005600, AC003104, AL035455, AC004778, AL022320, AL034420, AB017602, AC005060, AJ011930, AL035071, AL139054, AF129756, AP000228, AC004030, AC005899, AC007546, AC005856, AL109801, AC007536, AC004841, AC005726, AL133289, AC007842, Z98742, AC004674, AC002991, AC005913, AF196779, AF015156, AP000140, Z84572, AC011504, AP000359, U95742, Z95114, AL135960, AJ131016, AP000343, AC005755, U66059, AC005089, AC004235, AC003101, AC019014, AC005844, AC008372, U07563, AC007686, AL034429, AC004967, L39891, AC005280, AC007216, Z97989, AJ009610, AC005102, AL049757, AL096791, AC005209, AL008723, AC004849, AC005821, AC005088, AC005081, AF165147, AC005412, AL021367, AB003151, AC005071, AP000088, AC005368, AC005358, AF165926, AC005154, AC005694, U62317, AC005777, AL133245, AC005619, AL050318, AL096701, AC004659, AC006050, AL096776, AC006208, AL022721, AP000692, AL023577, Z82188, AC003690, AL096757, AC002350, AC004061, AC005531, AD000813, AC004463, AC005776, AC004106, AC000052, AC004960, AC004985, AJ010597, AL034449, AC004686, AL031846, L47234, AL031680, L11910, AC004663, M89651, AP000501, AC011604, AL136295, AL031432, AC004542, AL109758, AL035684, AL049588, U91326, Z98200, AC006064, AC003663, AF111168, AL022318, AC007312, AC008101, AL031848, AC007228, AL022328, AL033397, AC005300, AF015148, AC006139, AC004858, AC002544, Z97196, AC004019, AC005323, AL035405, AP000509, AL109628, Z93020, AC005037, and AC006071. </p> | | | | |
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|---------|------|--------|---------|----------|---|
| HCWEI19 | 1066 | 948690 | 1 - 297 | 15 - 311 | |
| HCWEI30 | 1067 | 666625 | 1 - 259 | 15 - 273 | |
| HCWEI43 | 1068 | 573508 | 1 - 409 | 15 - 423 | AC004950. |
| HCWEI45 | 1069 | 576852 | 1 - 110 | 15 - 124 | |
| HCWEI78 | 1070 | 861918 | 1 - 338 | 15 - 352 | |
| HCWEI80 | 1071 | 573534 | 1 - 207 | 15 - 221 | |
| HCWEI83 | 1072 | 529351 | 1 - 287 | 15 - 301 | AP000556, and AP000557. |
| HCWEI91 | 1073 | 529650 | 1 - 516 | 15 - 530 | |
| HCWEI02 | 1074 | 920488 | 1 - 449 | 15 - 463 | |
| HCWEI08 | 1075 | 959734 | 1 - 424 | 15 - 438 | |
| HCWEI22 | 1076 | 954137 | 1 - 490 | 15 - 504 | |
| HCWEI26 | 1077 | 576717 | 1 - 377 | 15 - 391 | AA065131, AW008791, AW009265, AI805884, and AA065200. |
| HCWEI43 | 1078 | 573526 | 1 - 319 | 15 - 333 | |
| HCWEI69 | 1079 | 757674 | 1 - 244 | 15 - 258 | AI479011, and AI538122. |
| HCWEI91 | 1080 | 572857 | 1 - 434 | 15 - 448 | |
| HCWEK59 | 1081 | 855734 | 1 - 331 | 15 - 345 | |
| HCWEK74 | 1082 | 573134 | 1 - 542 | 15 - 556 | AA601043, AA069366, AC007685, AC007284, AC004491, and AC007510. |
| HCWEK80 | 1083 | 574157 | 1 - 442 | 15 - 456 | AP001052, and AP001053. |
| HCWEK84 | 1084 | 572843 | 1 - 241 | 15 - 255 | AA630672, AI818231, AW303008, AA780682, AA732253, AW103927, H25921, AA092310, H51061, AA345064, AA768389, AI254980, AA588001, AA629872, N74747, C15060, H12383, AA551181, AA370455, AI344995, H93097, AA380354, AL133909, AW341978, AL138182, AA570797, AA722225, AI870197, AA372346, AA568198, AW022655, AL047429, AI014843, AI923052, AA705687, AA037715, F01503, AA531580, AI590485, AI311519, AI537772, AA583466, AI439828, AA630535, AI002744, AL045808, AL046156, AA584125, N71685, AA282820, AI205010, AA491681, AI888261, AA338544, AI278972, AI537538, F13749, AI907530, AW081296, AL038498, AI923333, AA593375, H18298, AW151022, AA483108, AA502991, R65651, AL037052, AI499301, AW162288, AW196053, AI636730, AA298319, AW021627, AI349849, AA308716, AA330772, AW276396, AW078909, AW131272, AI251576, AA838227, AA903253, AA573131, AI056046, AA092571, AA037725, AA515457, AA575911, H40324, AW317027, AI366993, T71474, AI124933, AA613761, W01639, AI289941, AI289942, AI955697, AI494539, AA626432, T77680, AI249473, AA716211, AA702098, AW104793, H81840, AI889566, AI135576, C18550, AI298061, AL096817, AC005019, AP000013, AC005752, AC007308, AC004910, D86992, D88270, AL109628, AC004797, U85195, AE000658, U95740, AC004051, AC000070, AC002288, AL109798, AC003104, AB023049, AP000512, AC011311, AC003101, AL133246, AC008169, AF107885, AC004933, AC006080, U40401, AC004674, AC005694, AP000505, AC004070, AC004596, AC003087, AC005207, AL023883, |

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| | | | | AL023281, AC005250, AC007842, Z98050, Z99716, Y18000, AL031670, AP000245, AB020870, AC008082, AL132985, D87675, AF109907, AC006211, AC004620, AC004911, AL031391, AC003977, AC002395, AL021877, AC005066, AL133312, AL022722, AP000253, AC005039, AC006070, AP000959, Z95116, AC005529, AC009509, AL031985, AL031289, Z82194, AC004855, AC006441, AP000553, AL080317, AC004216, AL035086, AC004526, AC003950, AL031283, AF020503, AC007253, AC004548, AC006116, AC005048, AF003626, AC004655, AC004595, Z97352, AC003664, AC007536, AC009411, AP000213, AC005730, AP000135, AP000155, U91325, AC004812, AL049647, U52112, Z83840, AC000004, AC004875, AC006322, AL109807, AC005324, AC004887, AP000031, AC002299, AC005874, AF134471, AC004985, AL009181, AC005037, AC004817, AL096794, AL049832, AC005500, AL049649, AC002528, AC004741, AL031286, AL031056, AL121603, AC006112, AC007406, AC004517, AC007688, AL049760, AF196972, AC005288, AF196779, AL035530, AL035467, AC012384, Z95152, AC002377, AL078583, AC004929, AC004033, AC005702, AC000389, AC003108, AL121653, AC007559, U82668, Z85996, AC005543, AC005578, AC010209, AC006930, AC006559, AC002563, AL031589, AC002041, AC004856, AC004815, AF088219, Z98946, AL034402, AC004455, AC008126, Z85987, AP000547, Z83844, AL034379, Z93016, AL021368, AL122023, AC003687, AF001549, AC005777, AL035398, AC006285, AC005234, AL035400, Z86061, AF205588, AP000036, AL079342, AC004858, AL078638, AC006313, AC006132, AL109801, AC004699, AL021978, AC006958, AC004622, AC000105, AF051976, AC002115, AL031259, Z84480, AL022326, AC002464, AC004087, AL034343, AC003682, AC007227, AL022323, AC000119, AC008039, AC004032, AL049856, AC005295, AP000244, AC008273, AC005043, AC000111, AC005412, AP000459, AL109613, AC003684, and AL022315. | |
| HCWEK89 | 1085 | 861914 | 1 - 245 | 15 - 259 | |
| HCWEL01 | 1086 | 916972 | 1 - 236 | 15 - 250 | |
| HCWEL08 | 1087 | 881309 | 1 - 142 | 15 - 156 | |
| HCWEL18 | 1088 | 827387 | 1 - 265 | 15 - 279 | |
| HCWEL27 | 1089 | 572846 | 1 - 244 | 15 - 258 | AC005399. |
| HCWEL47 | 1090 | 523304 | 1 - 545 | 15 - 559 | |
| HCWEL52 | 1091 | 577417 | 1 - 449 | 15 - 463 | |
| HCWEL55 | 1092 | 572951 | 1 - 310 | 15 - 324 | AA694257, and N64736. |
| HCWEL96 | 1093 | 529223 | 1 - 328 | 15 - 342 | AC004674. |
| HCWEM10 | 1094 | 968044 | 1 - 312 | 15 - 326 | |
| HCWEM37 | 1095 | 573151 | 1 - 404 | 15 - 418 | |
| HCWEM51 | 1096 | 920887 | 1 - 378 | 15 - 392 | |
| HCWEN20 | 1097 | 529237 | 1 - 330 | 15 - 344 | |
| HCWEN86 | 1098 | 573527 | 1 - 344 | 15 - 358 | |

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| HCWEP18 | 1099 | 913670 | 1 - 401 | 15 - 415 | AW291681. |
| HCWEP34 | 1100 | 523238 | 1 - 436 | 15 - 450 | |
| HCWEP39 | 1101 | 660232 | 1 - 459 | 15 - 473 | |
| HCWEP40 | 1102 | 506759 | 1 - 278 | 15 - 292 | F00112, K00650, AF111167, AC006064, AC007055, AC006312, AC004777, AC004477, AP000023, AC005331, AL078472, AC004814, AC002347, AC007064, Z98048, AL034417, AL024507, AL024498, AC006548, AC004050, AC004934, AC005182, AC002546, AC002420, AC007790, AC006381, Z83840, AC005071, AF047825, AC005822, AC012627, Z82201, AC005944, AC005914, AL031005, Z84484, AL096791, AL031295, and AC006511. |
| HCWEP43 | 1103 | 921346 | 1 - 412 | 15 - 426 | |
| HCWEQ01 | 1104 | 861910 | 1 - 288 | 15 - 302 | |
| HCWEQ14 | 1105 | 908245 | 1 - 355 | 15 - 369 | R16298, AA488261, R15246, AA325932, F08114, W46162, H08289, U69190, R12912, and AC002985. |
| HCWEQ15 | 1106 | 660520 | 1 - 285 | 15 - 299 | AA583955, AA526342, AA810078, AA219115, AA714453, A1872020, AA661921, AA610491, AA775207, AA503600, R40056, F04987, A1243584, AA316905, A1963720, AA877817, AW080134, AA782304, F18423, AA491284, AA601492, AA362698, A1696962, A1561060, AA531079, A1251436, A1061334, AW070892, AA847499, AA491814, AA664909, AA581903, AA478355, AA259186, A1686267, AA808877, A1305766, AW270343, A1119691, A1344844, AA501821, AA515231, AA828042, AA525824, R94721, AA468131, F18638, AA737150, A1247264, A1476312, F01314, AA364224, AA502720, AA634889, A1307608, AA533303, AW084252, AA715355, AW084198, T41259, AW196064, A1889923, AW276817, AA644551, AW265385, AW075511, AA935988, A1589230, A1821271, A1358343, AW265009, AA522642, AA372852, F23430, A1364809, A1038072, F19012, A1049634, A1247199, AW082492, AA623002, A1283911, AA320714, T74382, AA362348, AA653375, AA521323, AA834727, AA805815, AA521399, A1284640, AA343705, AW300625, AA362511, AA635067, A1623720, AA715255, AA715267, AA650376, AA078441, AW248819, AA934680, AA848134, AA749054, AA459749, A1635818, AA508034, AA502104, A1358431, AA662871, AA515549, A1708009, AA503154, AA604333, AA603185, F16127, F00440, AW089682, F17802, AA773902, AA604897, AA281461, A1702314, AA720746, AA320113, A1160117, A1064952, T07019, AW002350, A1270002, A1754336, AA678436, AW071163, AW023990, A1044940, AA493708, A1783494, AA532524, AA338486, AA773733, AA531186, AA513141, A1537944, AA559290, AA531372, AA493206, F00135, AA713626, AA502866, AA346458, AA503284, A1298710, A1245679, AA985455, T52733, AA478297, A1254316, AW274349, A1561255, A1079511, AA847012, A1469624, AA503119, AA664332, F16274, T06828, AW405114, A1860020, AA629992, AA533725, AA482711, A1246119, A1459768, A1151261, Z30073, H93893, A1110688, AW327868, AA394271, AA688036, H60639, AA074130, A1583283, F17555, AW150524, N62433, AA372481, AW075948, AA502963, AA514854, A1358236, A1355206, A1679045, A1859251, AA491862, N35602, AA594145, H63262, AA908468, A1890348, A1045053, AP001172, A1022322, |

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| HCWEQ27 | 1107 | 849860 | 1 - 406 | 15 - 420 | |
| HCWEQ37 | 1108 | 849985 | 1 - 389 | 15 - 403 | Z85996. |
| HCWEQ89 | 1109 | 529240 | 1 - 344 | 15 - 358 | |
| HCWER22 | 1110 | 674807 | 1 - 214 | 15 - 228 | T83652, N52834, AA010013, H52946, H64159, and AA703454. |
| HCWER37 | 1111 | 849916 | 1 - 368 | 15 - 382 | |
| HCWER61 | 1112 | 574921 | 1 - 89 | 15 - 103 | |

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| HCWER81 | 1113 | 574167 | 1 - 454 | 15 - 468 | M78967, and AL031733. |
| HCWES03 | 1114 | 921933 | 1 - 540 | 15 - 554 | D87470. |
| HCWES06 | 1115 | 935862 | 1 - 135 | 15 - 149 | |
| HCWEW45 | 1116 | 571355 | 1 - 193 | 15 - 207 | AI862242. |
| HCWEW76 | 1117 | 861966 | 1 - 358 | 15 - 372 | AA420421, AA420839, AW340887, T68865, AA706567, AA838190, AA363078, AA533315, AA484373, AA161177, AA161132, AA780541, AA338170, R54486, AI567402, C16659, AA356567, AA745507, AA487198, AA372887, T70121, AI914883, N74208, AI568683, AA934825, AW050400, AW328172, AW082559, AI758256, AA581099, AA648683, T52935, AA604048, F12561, AA365815, AA501614, AI291317, AW270784, AI524360, AA837560, AW328050, H67805, AW328171, T47324, AW440837, AA071173, AA600741, AW083678, AA586866, AA320748, F01979, AW269488, AI053445, F28108, AI002744, AW081610, F08248, T65635, AA229127, AA744172, C15363, AA577732, AI827234, AA071132, AA744278, AL050332, AC005274, AC006101, AP000688, AF121782, AC000080, Z84469, AL021917, AP000044, AB003151, AP000691, AC006040, AC008282, AP000330, AP000295, AP000112, AC006572, AC006946, Z82899, AC001231, AC009405, AC005663, AF001552, AC005822, AP000171, AP000056, AC002300, U85195, D42052, AC004491, AC002425, Z84466, AE000658, AC005913, AC005253, AC001643, AC005387, AP000124, AL109653, AF109907, AC008981, AC006021, AC002565, AC002461, AC007350, AC006139, AC006486, Z98950, AC005393, AC006568, AF064861, AL133241, AC006305, AC005081, L31675, AL050338, AL096705, AL049569, AL035652, D26141, AC005358, Z81364, Z97196, AL034411, AC004132, AL009179, AL009031, AC002326, AC004993, AL135746, AC004617, AL135744, AC006006, AC007786, AC007766, AP000959, AC004197, AC005944, AC006557, U89387, AC005015, AL031846, AC007096, AC002098, U71148, AC003678, AL008636, AC002483, AL035460, AC003689, AL035690, AC004953, AC006146, AF207550, AC004472, AC005902, AF064857, AC004878, AC004448, AC003101, Z84480, Z96074, AC005839, AC005660, AL031589, AL096769, AP000953, AP000160, AP000128, AP000206, AC002066, AP000245, Z83820, AL008718, AJ133269, AC007298, Z68226, AC005512, AL096791, AC002110, AC004531, AB023048, AC005945, AP000511, AL035588, AC005011, AL035089, AP000687, K03021, AC010077, AL022476, AC002379, AP000126, AP000204, Z84487, AC005684, AC004859, AL132712, AC005412, AB017568, Z83840, AP000244, Z97832, AC005632, AC002347, AC006132, AF001551, Z93930, AL008730, AC005754, AC005484, AL021937, AL139054, AC005406, U50871, AC008545, AC004601, AC005089, AL021997, AC004151, AB020864, AL109627, AC006966, AC005548, Z95152, AC005082, AC006254, AC004383, AC005049, AL034429, AL050401, AP000884, U95742, AL031733, X90725, Z80897, AC003110, AL008719, J03071, AC006252, AC002550, AC005868, AP000152, AP000010, AL034423, AC006253, AC008062, AC009743, AC007262, AL022165, AC003081, AF047825, M63796, AC006023, AC006013, Z95113, AC007151, AC005486, AC004596, AL031681, AL031668, AC010206, Z69890, |

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| HCWEW77 | 1118 | 664922 | 1 - 416 | 15 - 430 | AL020995. |
| HCWEX05 | 1119 | 928121 | 1 - 326 | 15 - 340 | N87989. |
| HCWEX40 | 1120 | 574940 | 1 - 251 | 15 - 265 | |
| HCWEX59 | 1121 | 709560 | 1 - 344 | 15 - 358 | T56067, AA652057, AW248803, AA664148, AW249224, AA369477, AL138242, AA569187, AA584581, AA125788, AA828704, AI079667, AA834755, AA594725, AI168185, AW193500, AA179136, AA443390, F07193, AA516527, AL133723, AA365347, AA012897, H00934, F37169, T62975, AA503947, AA515346, AW406162, AA650271, AI889781, AI648558, AA502103, AA906889, N53150, AA904140, AA515435, AI678392, AA831388, AA364315, AA483223, AI801591, X06123, AC002350, X61109, AC007193, Z83845, AC005913, AP000967, AL022329, AF200465, AC006285, AC005215, AC005565, AC005537, L81693, Z83826, U78027, AC005071, AC007666, AC003035, Z82188, AC004973, AC006965, AC006006, AL035422, AL035695, AC005385, AC005962, AC006312, AC005365, AC005003, AC005324, AC006600, AC000052, AL034420, AF165926, AC005736, AF109907, AP000362, AP000553, AP000010, AP000152, AL132712, AP000555, AC004019, AC002472, AC000159, AL121603, AC007565, AP000348, AC006571, AB016897, AP000354, AC003038, AC005755, AL035690, AC002077, L48038, AC004263, AC000353, AL080317, AL031589, AL008582, AR036572, U91328, AB023049, AC002483, AF006501, AL133396, AL022721, Z99716, AL035494, X03272, AL022476, AC004797, AL049776, AL022323, AF196779, AP000692, AL035089, AC004909, AC005740, AC002312, AC006211, AL021453, Z98200, AL031447, AC005822, Z97184, Z73360, AC002349, AC002301, AL139054, AL009178, AC007115, AL035460, AL035417, AL035681, U62293, AC004813, Z82244, AL023553, AL050332, AC004865, AL080243, AC000039, AL022328, Z98946, AC007999, AF134726, AC020663, AL009179, AC007664, AL022313, AC002448, Z69705, AL109963, AF019413, AC006130, AJ003147, AL049780, AC006039, AC005043, AL031257, AC005211, AC005057, AL135744, AC005200, Y07848, AC005516, AC006538, AC006530, AP000162, AP000020, AP000087, AC005670, AL021366, AC005783, AC005911, AL023879, AC005212, AC004622, Z69651, AC007308, AC009516, AF111168, AC004754, AC005235, AC005304, AL035072, AC005527, AL050338, AC003085, AC005730, AC007842, Z83822, AC005281, AC007285, Z98048, AC007182, AC005081, AL133245, AL023807, AC008079, AL031685, AL050318, AL031446, AC004099, AC005041, AC005940, AL031668, AC005776, AP000557, Z97056, AC006441, AP000512, AL096829, AC002070, AP000030, AP000151, AP000226, AC005754, AC000026, AL022311, AC002402, AC016025, AC005544, AC007543, AF121781, AC007011, AC005274, AL008715, AC004890, AF091512, Z86090, AL031666, AL035692, AL008718, AC007537, AC007324, AC012384, AC006515, AL035659, AP000047, AC005829, L76568, Z98742, AC006057, Z85986, Z83844, AC005969, AL132777, AC002470, AP000173, AP000500, AL034548, AP000502, AC004463, AC018633, AC006946, |

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| | | | | | | Z73359, AL049856, AC002059, AC004856, AC005069, AP000359, AC004638, AC004858, AC002067, AL049757, and AC004033. |
| HCWEX66 | 1122 | 731772 | 1 - 323 | | 15 - 337 | |
| HCWEY07 | 1123 | 953701 | 1 - 412 | | 15 - 426 | |
| HCWEY33 | 1124 | 702597 | 1 - 418 | | 15 - 432 | |
| HCWEY34 | 1125 | 954142 | 1 - 233 | | 15 - 247 | AC005911. |
| HCWEY84 | 1126 | 952692 | 1 - 458 | | 15 - 472 | AA598892, AA508036, AA525293, AA984829, AI918419, AA126277, AA172365, R22248, AI272052, AA360260, T94592, AL096701, AF196969, AF196779, AL031597, AL034417, AD000092, AL049757, AC006449, AF030453, AC002312, AC005088, AC002395, AC004150, AC005089, AC004216, AL031053, AF053356, AC006487, Z98051, AC005049, Z83851, AF109907, AP000555, AC006480, AL021578, AC006211, AC005081, AL031311, AC004382, AC006312, AC007308, AC005005, AL023553, AL049829, AL049631, AL121652, AL109801, Z95114, U85195, Z83826, AC007450, AC000134, AC004858, AC004841, AE000658, AL021920, AC005920, AC005067, AC007226, AC005702, AF111168, AC002546, AC002477, AL117344, AC004134, AC005184, AF001549, AC000070, D87675, AP000553, AC005632, AC006511, AC004019, AL133243, AL050321, AL121769, AC004797, AC005778, AC007999, AC005808, AJ229041, AC007193, AL023653, U95742, Z82203, AC007371, AC006111, AC000353, AL035422, AL009181, AC006360, AC005839, AC005480, Z95152, Z94056, AC005399, AL021394, AP000512, AC005015, AF017104, AL020997, AL121578, AF003626, Z86090, AC005914, U78027, AL050341, AC005609, and AL022238. |
| HCWEY88 | 1127 | 785508 | 1 - 321 | | 15 - 335 | H44471, AI246061, AA161305, AA224525, AA555143, AA664248, AW270429, AI860535, AW270351, AI223626, AA135868, AW019964, AI054090, AI278972, AA565911, F32248, AI284543, AI254770, AI251944, H09639, AI251034, AI251203, AI251284, AI250552, AI251241, AI249853, AW265149, W32993, AW151870, AW058430, AI053934, W63553, AI053597, AA862312, T03928, AA487209, AW303098, C15504, AA340153, C14796, AA832152, H47368, C14627, Z95116, AC010206, AC005913, AF118808, AC005844, AC004662, AC006360, AC006313, AC004465, AL034400, AC004815, AC002365, AC004984, AL034549, AC007676, Z95118, AC008009, AL009181, AC005565, AC002465, AC005841, AC006388, AL031665, AL033397, AC007276, AC007028, AC008041, AC005746, AC002312, AF196969, AC004799, AL135746, Z97630, AL050318, AC005291, AC005288, AC005207, AC002369, Z94801, AC006121, AC002425, AF129756, AC003959, D88270, AL022162, Z94056, AC005237, AC005519, AC006352, AC002041, AL049745, AC005856, AC005041, AC005666, AC006130, AC005632, AL096701, AC004963, AC005015, AC005488, Z93017, AC009946, AC006359, AC005740, AC006241, AC004813, AC007263, AP000555, AL034418, AL117354, AC002287, AC005736, AC008044, L29766, AL080242, Z83843, AL035683, AL021878, AC005696, AL049539, AL121825, AC004150, AC004941, AC004895, AL023284, AC004185, AP000475, AC004686, AL031651, AC004033, AI011930, Z98950, AL035405, AL021807, AC004386, |

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| HCWFA14 | 1128 | 925301 | 1 - 479 | 15 - 493 | T61555. |
| HCWFA65 | 1129 | 573193 | 1 - 236 | 15 - 250 | |
| HCWFA88 | 1130 | 578943 | 1 - 365 | 15 - 379 | AP000126, AP000204, and AP000244. |
| HCWFA89 | 1131 | 574370 | 1 - 257 | 15 - 271 | AC002039, AC002045, U91326, AC002544, and AF001549. |
| HCWFC05 | 1132 | 932194 | 1 - 360 | 15 - 374 | AC007283, and AC008179. |
| HCWFC17 | 1133 | 573186 | 1 - 367 | 15 - 381 | Z98744. |
| HCWFC65 | 1134 | 883787 | 1 - 340 | 15 - 354 | |
| HCWFD07 | 1135 | 953700 | 1 - 571 | 15 - 585 | |
| HCWFD19 | 1136 | 574915 | 1 - 267 | 15 - 281 | |
| HCWFD29 | 1137 | 573381 | 1 - 210 | 15 - 224 | |
| HCWFD47 | 1138 | 671946 | 1 - 300 | 15 - 314 | AI799197. |
| HCWFD64 | 1139 | 954575 | 1 - 363 | 15 - 377 | T81407, AC006942, and AF064861. |
| HCWFE06 | 1140 | 935856 | 1 - 379 | 15 - 393 | AA663467, and AA663457. |
| HCWFE18 | 1141 | 573445 | 1 - 99 | 15 - 113 | |
| HCWFF41 | 1142 | 849978 | 1 - 135 | 15 - 149 | |
| HCWFF88 | 1143 | 506577 | 1 - 304 | 15 - 318 | |
| HCWFF65 | 1144 | 578936 | 1 - 386 | 15 - 400 | |
| HCWFJ72 | 1145 | 856908 | 1 - 625 | 15 - 639 | AA594971. |
| HCWFK16 | 1146 | 849988 | 1 - 187 | 15 - 201 | |
| HCWFK20 | 1147 | 575696 | 1 - 225 | 15 - 239 | |
| HCWFK35 | 1148 | 916795 | 1 - 540 | 15 - 554 | AA491175, and AC003957. |
| HCWFK57 | 1149 | 861907 | 1 - 314 | 15 - 328 | |
| HCWFK73 | 1150 | 761655 | 1 - 304 | 15 - 318 | AA093114, AA523695, AA487226, AI364568, T62078, AI869786, H95822, AI686470, H81700, |

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| | | | | | AA214042, AA297006, AA021561, AA056250, H69992, F34939, C16358, H45698, T94394, AA582746, AI697242, AA225004, AI371722, AI003444, AW264391, AI866580, AI697239, W81372, AI697235, AA558366, AI355246, AA564800, H64715, H68379, AA668587, AI973173, AA828476, AW019964, H29241, AI279417, AW419389, AI367551, N25079, AA243976, H29914, AA568314, AA378489, AL031591, U47924, AC004841, AL008730, AC005015, AJ010770, AC003037, AC001228, AL133243, AC005839, AC004999, AC005726, AC005694, AC002470, AC006449, AC005520, AL049872, AC005736, Z84466, AL009181, AL049795, AC005480, L44140, AC007263, Z97055, Z98950, AP000692, AF152365, AC006360, AC003663, Z73359, AC002544, AC007308, AF196779, AC006241, AL132987, AL031848, AL049874, AC005519, AC004832, Z86090, AC005399, AC006045, AC007066, AC005088, AC005412, AC004476, AC002302, AC004033, AC005529, AC004765, AC005486, AL096701, AL032821, AC005684, AC004232, AC004921, AL139054, Z98036, AP000354, AB026898, AC004816, AC007637, AP000300, AL096791, U80017, AP000010, AP000045, AL031295, AC000079, AC009784, AL109827, AL080243, AC004522, Y10196, AL035420, Z99716, AC007057, AC005071, AL133448, AC004783, AC002432, Z84469, AC002395, AC004216, Z97632, AL133246, AC004770, AC006020, AC003086, Z83844, AC007179, AL031864, AC002073, AL031589, AC004019, AP000043, AP000111, AP000049, AC004518, AP000557, AC002563, AC005821, AC007390, AP000066, AP000113, AC006088, AC005102, AC004217, AC007363, AL121840, Z99127, AP000503, Z97053, AP000311, AC005488, AC005049, AC003029, AC004381, AP000553, X55448, AC004967, AC004659, AP000689, AC002996, AP000356, AC006111, AL024498, AF134726, AL022326, AF165926, AL008729, AL034549, AL121658, AL031667, AF111168, AC004687, Z98742, AC004813, AC005324, AC004223, AP000961, AC005899, AF196969, AC006487, AC006013, Z97181, AL022721, AF060568, AC006021, AC005089, AC005081, AC003108, AC005566, AC004797, AC006387, AJ011930, AL035685, Z73417, AC005793, AC005280, AC012384, AF024533, AP000552, AL035681, AC003982, AL031659, AC007114, AC005386, AL035249, AL035683, AC004901, AC005971, AC000378, AC005562, AC008372, AC004099, AC005225, AC002351, AC004253, AL008707, AC000025, AC005740, AC000353, AC009509, AC006254, AC002492, AC005527, AL049694, AL034421, AC009516, U63630, AC005746, Z95152, L78833, AB023048, and AL031291. |
| HCWFK91 | 1151 | 954008 | 1 - 315 | 15 - 329 | L44321, AL096867, AL022154, AC007567, AL034402, and AC004853. |
| HCWFL10 | 1152 | 964853 | 1 - 317 | 15 - 331 | AL031673. |
| HCWFL31 | 1153 | 953579 | 1 - 186 | 15 - 200 | AA579235. |
| HCWFL45 | 1154 | 577950 | 1 - 402 | 15 - 416 | |
| HCWFL78 | 1155 | 529218 | 1 - 288 | 15 - 302 | |
| HCWFL86 | 1156 | 523359 | 1 - 417 | 15 - 431 | Y13758. |
| HCWFL94 | 1157 | 575522 | 1 - 290 | 15 - 304 | N21434, AA126969, AW069769, AA551548, AA640563, AI031759, AA664248, AI300507, AI183392, F31670, AA507623, AA219166, AA837771, AI567676, AA648605, AA558402. |

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| AA558716, W00479, AI521019, AI538404, AI884404, AA774169, T57096, AA846046, AW271071, AA225630, AA657808, AI251024, AW407679, AI872229, AA715508, RI2600, AI281622, AI803824, AI241851, AI267356, AI926093, AW023975, AA364082, AI754257, AI801479, AA984891, T41134, AW243817, R33053, AI961232, AW085811, AA349923, AA602939, AI520984, AA987703, AW268793, AW439224, AI267450, AI065031, AI921744, AI745666, AA018923, AI032411, AA533011, AA364147, F35684, AI732911, AI185394, AA507990, AI252726, AW406139, R95751, AI174827, AI668566, AA309287, AA808842, AI469564, R33588, AA873661, AW157128, AI274691, H49749, AA633068, AA012829, H79323, AI039257, AA640305, C14724, AW022796, AA601712, AI733523, AI038029, AI434103, AI828742, X84712, AA630122, AI708565, AA367920, AA338238, AW021674, AI888852, W02419, AA730530, AF075069, AF129756, AI035587, AC005399, AF165926, Y18762, Z83845, AC005015, AC005089, AC004099, AC005730, AL133163, AL049591, AC005837, AC005828, U02057, AC006544, AL080317, AC005531, AC000039, AL020997, AL035445, AF196972, AF030876, AC007371, AC007051, AC007919, D42052, AC004053, AB023051, AP000116, AP000505, AC005105, Z98946, AC005821, AC006543, AB033024, AL136295, AC006006, AC006581, AL050320, AP000512, AC007226, AC005069, AL031848, AC004678, AC004668, Z83844, U78027, U91326, AC002544, AC006538, Z69366, AC007878, AL035422, AC007462, AC002306, AL096761, AC020663, AC005694, AI246003, AP000513, AC006953, AL117258, AD000092, AL078477, AF207550, AL109798, M89651, AB023049, AC007536, AL049636, AC003042, AC008372, AC005993, AL022336, AC006599, AC007687, AL121658, AL031721, AL049829, AC006062, AL008735, AL035086, AC000134, AL034548, AC006388, M81890, AC005527, AJ251973, AC002369, AC006511, AC009516, U26425, AC004234, AF111168, AL031575, Z97630, Z98884, AC007899, AL031311, AC006121, Z98200, AL132712, AC005037, AB023048, AC005519, AC007277, AP000511, Z84480, AC007314, Z81369, U63721, AC004592, AC004073, AC007934, AF031077, AF134726, AL135783, AL035450, AL031295, AL079295, AC008044, AC006241, AC004257, AL049569, AL096699, AL049759, AC006088, Z95114, AL021707, AL023801, AF031078, AC005565, AC005952, AL035413, AL035652, AC016027, AC007227, AL034421, U91322, AC009248, AL008731, AC002492, AC005747, AL034553, AL031680, AC005759, AL109628, AC006211, AL031657, AC005529, AC004381, AL121934, Z73979, AC005695, AL022318, AC005390, AL109847, AC006162, AC005207, AC004953, U07563, D16583, AC004460, AP000256, AL008718, A65971, AC005261, AJ003147, AC006946, AC005365, AL135744, AC005031, AL022333, AC002310, D16517, AC006261, AB000882, AC005280, U24498, AL031903, Z68756, AL022476, AC007688, AC009498, AC002364, Z95116, AC004019, AC004814, Z83840, AC002991, AC004844, AP000510, AC004797, AC004477, AL133448, AC005778, AF076450, AC004975, Z84469, Z98051, AC005682, AL035045, AL035455, AC000075, AC000084, AC004703, AC006369, AC004673, AC006449, U80017, AC004897, AC007773, AC004130, Z82182, AL008628, AL122020, AC005325, AC006064, | | | | | |
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| | | | | | | AC008115, AC004883, AC002400, Z93017, AL122023, Z69713, L78833, AC002036, AP000098, AP000099, AC005911, AC005375, AC005755, AL031284, AC004148, AC007450, AC004997, AP000275, AC002994, AC016830, AC004686, AL109613, AC007016, AC005046, and AC005914. |
| HCWFM01 | 1158 | 916803 | 1 - 217 | 15 - 231 | | AA054176, AI669046, AA385798, R79698, AC003688, AP000096, AP000240, AL020997, AC006946, AC005070, AL096794, AL049849, AL079340, AL109914, AC019014, AL049646, AF111169, AC007073, AC005071, AJ251973, AP000549, U82694, AF001549, AC005684, AC006953, AC004517, AC003065, AC005865, AC005033, AC005389, AL034406, Z98200, AC007842, AP000512, AC006544, Z82249, AL078583, AC005699, and AC010168. |
| HCWFM11 | 1159 | 959457 | 1 - 365 | 15 - 379 | | AA640305, AA156183, AI754257, AA631915, AA720732, AW083707, T71936, T58395, AI869455, AA862243, R68249, AA129133, AA883595, AA747469, AI241761, AW021105, AW023167, AI207424, AA804726, AA936746, AJ230815, W01344, AI744199, AI763234, AA324242, R76686, AA776899, AA664963, AL135357, AL044701, AA593537, AI984742, AI917132, AW072963, AI307563, AC002470, AC004841, AC002094, AC005399, AC007066, AC005207, AF111169, AC004820, AP000240, AC005049, AD000092, AP000096, AL135744, AC003684, AC008018, AC007263, AC005529, AC005300, AP000011, AF001548, AB003151, AL035423, AC006511, AC007312, AC004707, AL031670, Z93017, AC005088, AC007371, AC006241, AL031293, AL022721, AF111168, AC004167, AC005295, AL049653, Z99127, AC004234, AC004859, AC005736, D00591, AC005251, AC003043, AL021397, AF129756, Z98884, Z93930, AC006509, AF165926, AP000322, AC002375, AL049839, AC006121, Z84480, AC005071, AC007774, AC007395, AC006001, AC005224, AC002377, AC004076, AC004922, AL033524, AC000159, AP000361, AC004129, AL132987, Z84469, Z82246, AF053356, AP000153, AC005231, D87008, AC004477, Z97056, AF196969, AL035458, AL133246, AC002351, AP000053, AP000121, AP000557, AC007277, U29895, D87012, AL022336, AL049538, D88268, AC004263, AC004583, AP000065, AP000280, AP000030, AC002477, AL034429, AC005253, AC006166, AP000215, M57678, Z98304, AC005370, AP000505, AE000658, AC005632, AC005070, AC005821, AL031311, AC004762, AC003982, AC005772, AC007308, AF176815, AP000107, AP000039, AC007993, AL109839, Z99943, Z73420, AC007228, AC002060, AL096791, AP000556, Z86061, AP000497, AL049557, AC008038, AP000558, AL031733, AL035420, AC005856, AF024533, AC006530, M63543, M63480, AC002400, AC006455, AC005519, AC007565, AC006077, AD000812, Y11107, AC007537, AC004805, AC005919, AC005940, Z69713, AC002301, U85195, AC006254, AF038458, AC004491, AL023096, AL078463, AC005755, AC004815, AL035249, AC007676, AP000694, Z93016, AL033521, M63544, AP000348, AC002563, AC005875, AC005726, AC006160, AL049776, AC009516, AP000038, AP000106, AL031284, AC004472, AC007664, AC004851, L81692, AC005023, Z92542, AC006376, AL035462, AP000228, AC005520, AL034419, AC004799, AL035587, AC002395, and AL031681. |

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| HCWFM16 | 1160 | 678627 | 1 - 368 | 15 - 382 | W07244, H81645, H87712, Z18338, A1627848, AL022476, AF128536, and AF128535. |
| HCWFM26 | 1161 | 677348 | 1 - 356 | 15 - 370 | AL021918, AC003070, Z93017, AL022316, Z97876, AC008079, AC004228, AL109827, AP001054, Z81370, AC008018, and AC004678. |
| HCWFM43 | 1162 | 715387 | 1 - 88 | 15 - 102 | |
| HCWFM59 | 1163 | 757660 | 1 - 338 | 15 - 352 | |
| HCWFM60 | 1164 | 740470 | 1 - 410 | 15 - 424 | |
| HCWFM65 | 1165 | 849957 | 1 - 252 | 15 - 266 | A1349018, AC006512, Z85987, AL117338, AC005920, AC003982, AL031681, AL050318, D87675, AC005233, AC007226, and AC008072. |
| HCWFM77 | 1166 | 706488 | 1 - 152 | 15 - 166 | |
| HCWFN14 | 1167 | 680404 | 1 - 351 | 15 - 365 | AL134393. |
| HCWFN22 | 1168 | 674750 | 1 - 381 | 15 - 395 | |
| HCWFN37 | 1169 | 576547 | 1 - 255 | 15 - 269 | |
| HCWFO01 | 1170 | 916814 | 1 - 357 | 15 - 371 | A1657485, N83963, N88177, N87188, N83707, AR018815, U390066, U48696, AF045432, A1243486, U48697, AF102850, X99060, AF001863, AF061744, X99056, X99052, Y16299, X99058, X99051, AF011573, and X99055. |
| HCWFO02 | 1171 | 920416 | 1 - 372 | 15 - 386 | |
| HCWFO20 | 1172 | 577709 | 1 - 303 | 15 - 317 | |
| HCWFO24 | 1173 | 664581 | 1 - 328 | 15 - 342 | |
| HCWFO30 | 1174 | 692814 | 1 - 316 | 15 - 330 | |
| HCWFO40 | 1175 | 913855 | 1 - 407 | 15 - 421 | |
| HCWFO51 | 1176 | 725756 | 1 - 72 | 15 - 86 | AC002540. |
| HCWFP21 | 1177 | 531288 | 1 - 442 | 15 - 456 | |
| HCWFP27 | 1178 | 927700 | 1 - 287 | 15 - 301 | |
| HCWFP47 | 1179 | 849893 | 1 - 398 | 15 - 412 | |
| HCWFP71 | 1180 | 933211 | 1 - 341 | 15 - 355 | T65964, R01423, R01424, R05277, R44699, R51780, R44699, H11322, H13859, H13911, H21393, H22117, H45982, H98744, N37080, N62715, N93640, W60228, W76544, W87768, W90518, AA010775, AA011055, AA029083, AA029084, AA036822, AA057660, AA082814, AA101057, AA130702, AA132788, AA147813, AA151511, AA173298, AA187994, AA192370, AA243010, AA250948, AA521284, AA535404, AA594843, AA603875, AA627091, AA662313, AA721002, AA761271, AA826710, AA865743, AA975254, AA995525, C05796, AA206634, AA654116, AA283178, AA291958, AA291959, AA452464, AA628258, AA634632, AA447651, AA777137, AA812493, AA835567, AA846451, AA852494, A1003962, A1084740, A1094339, T23658, Z41681, F03361, F03690, F09370, A1245866, A1251909, A1280679, A1202164, A1474105, A1524387, A1540076, A1479426, A1498061, A1566416, A1582492, A1127570, A1187378, A1191272, A1279638, and A1587165. |
| HCWFP81 | 1181 | 576363 | 1 - 306 | 15 - 320 | |

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| HCWFR11 | 1182 | 967266 | 1 - 170 | 15 - 184 | |
| HCWFR83 | 1183 | 721373 | 1 - 450 | 15 - 464 | |
| HCWFS22 | 1184 | 971566 | 1 - 365 | 15 - 379 | AI830563, AI675015, AI634079, AI766110, AI924352, AA506986, AI419874, AA417050, AI582146, AW302226, AI653982, AA707615, AA947674, AI824293, AA417181, AA923538, AI367252, AA344961, AW418521, AA559136, AI253198, AI028337, AA835007, AI367250, AI081854, AW136460, TI2625, AI873313, AA879191, AW087636, AI207096, AW087600, AA904762, and AI198471. |
| HCWFS65 | 1185 | 572953 | 1 - 238 | 15 - 252 | |
| HCWFT29 | 1186 | 690751 | 1 - 357 | 15 - 371 | AL041375, TS2772, AI572680, AW275432, AI801563, AA493464, AA810158, AW238575, AA601376, AA355367, AA515924, AA595661, AA484892, AW084173, AI251024, F01666, AW089625, AI355246, AI797998, AA526413, AA525807, AA019973, AA128511, AA602971, AI927275, AA199582, N90244, AA559241, AI002950, AA604601, AA640305, AI760835, AA367672, AA503298, AA397355, AL043719, AI973173, AA013168, AA313025, AW270768, AW272815, AI609972, AA515905, AW238016, AA112187, AI246796, AI935827, AA714011, AA228778, AI345157, F01532, AA513122, AW302903, AW275719, AW105463, AL048925, AI283938, AW238712, AI056177, AW419389, AI678468, AA420787, AW193493, AA657835, AW179316, AA837646, T48723, AA904275, AI926909, AI803809, AW020088, AA610784, AW023390, AI923052, AA079421, AA225392, AC003041, AL049830, AL031433, AC004797, AC005740, AC009516, Z83838, AC002119, AC005940, AC005920, AL023281, AC005261, AC012627, AC005821, AC005899, Z94056, AL035587, AL031432, AC004859, AC004019, AL034423, L05367, AC008124, AC005037, AL022336, AC004895, AC003098, AC003109, AC005822, AC005529, AP000066, AP000556, Z99570, AC020663, AC004408, AP000116, AB000882, AC005387, AL109627, AC007666, AL031390, AC006254, AC004623, AC004448, AC002347, AP000503, AF134726, AL031577, AC004686, AL049636, AC005486, AC004596, AC005971, AL022721, AL139054, AC002551, AC005523, AC005358, AC005527, AL121754, AL035684, AC004034, AC005913, AC006071, AP000049, AC007536, AC005902, AC006285, AC007216, AC005703, Z95114, U78027, U91326, AC006011, AC006449, AP000311, AC002059, AC005839, AP000512, AL049795, AL049766, AL049793, AC003956, AC005288, AL049709, Z98200, AC002511, AC004242, AL117694, L44140, AC005914, AL049692, AC003030, AF111169, AF111168, AL022311, AF045555, AC004526, AC005399, AC004167, AC004878, AC007227, AL035422, AC004796, AC006511, AC002091, AC005104, AF031078, AC004821, AC005081, AC005004, AL033392, AC006057, AC004150, AC005318, AC002492, AC005722, AF030876, U62293, AC004882, AC004253, U63721, AC005736, AC006111, AC007225, AL035659, AC007030, AC000052, AC005695, AL022313, AF109907, AC002045, AL031393, AC000026, AC007395, AF141309, AL031282, AL034351, AC002544, AL022327, AC006270, AL121655, Z83840, AC005015, AL049872, AC004854, AL133245, AC005412, AC005799, AL022328, AP001053, AC002115, AL049643, AF003626, AI246003, AC006360, AC018633, |

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| | | | | | AF196779, AL020997, AC002302, AC007308, AC004099, AL022237, AC002314, Z98048, AC005251, AP000513, AC004383, AF196969, AL031591, AL050348, AC005619, AC003688, AC006001, AL050318, AC004884, AC004816, AC005082, AF207550, AC002312, AC006023, AC005291, AC005274, AL031280, AL022316, AC005216, U07563, AF114156, Z84469, AC004491, AC007358, AC002310, AC000070, AC004894, AC005520, AL022334, AC003101, AC006055, AL133448, AL133353, AC002984, AC004887, AB001523, AC007151, AC002477, AC006948, AP000009, AL080243, AC006487, AC005089, AP000326, AC007151, AC002477, AC006948, AL049757, AL121603, AL021154, Z83826, AL132777, AC006084, AC003006, AC004967, AC006368, AL049869, AC008044, AC005519, AC003070, Z83846, AL031368, Z83822, AP000122, AP000169, AP000054, AC004999, AL118497, AF038458, AC007263, AL022322, AC004805, AL109613, AC007066, AC002394, AC005257, AL035398, Z99716, and AL031003. |
| HCWFT33 | 1187 | 959471 | 1 - 258 | 15 - 272 | |
| HCWFT44 | 1188 | 935855 | 1 - 338 | 15 - 352 | |
| HCWFT77 | 1189 | 739571 | 1 - 259 | 15 - 273 | AI922362, AA130574, and AC004492. |
| HCWFT84 | 1190 | 542236 | 1 - 396 | 15 - 410 | |
| HCWFT03 | 1191 | 921944 | 1 - 307 | 15 - 321 | AW205685, AI698601, AA884459, N23262, AA552480, and AA905404. |
| HCWFT07 | 1192 | 861902 | 1 - 107 | 15 - 121 | AC006301. |
| HCWFT19 | 1193 | 577315 | 1 - 536 | 15 - 550 | |
| HCWFT32 | 1194 | 716340 | 1 - 473 | 15 - 487 | |
| HCWFT64 | 1195 | 577888 | 1 - 364 | 15 - 378 | AA745185, AI216430, AP000553, and AC009516. |
| HCWFT66 | 1196 | 853005 | 1 - 392 | 15 - 406 | |
| HCWFT76 | 1197 | 576839 | 1 - 401 | 15 - 415 | AA768179, AA368329, AA346867, AA348271, AW439810, AI278130, AI904944, T07285, AA558404, AW268090, AA229823, AI567391, AA228979, AW243945, AA279385, AA112924, N86484, F30586, AA297443, AA583579, AA078384, AI283938, AI421257, AA378489, T99020, AA564925, AA745297, AI273837, AA972523, AA372311, AI369076, R99613, N40907, AA581240, AA582746, AA559205, AI984168, AA367014, AW008184, F00458, M62257, AA424249, AI299442, AA449468, AA581185, AI016192, AI932871, T62078, AA229422, AA160427, AA484892, W26972, AA515172, AA385775, AA583568, AA372389, AA354695, AA838098, AI003391, N92697, AW194046, AI889426, AA523695, AA582350, AI859744, AA653713, C15362, AA356376, AW237905, AA831801, N77384, AA720582, AI915081, AW341955, AA573000, AA482792, AW328331, AA302978, AA728911, AA664248, D51809, AA610255, AA419225, AW341882, AA630854, AA502110, AA115865, AW272389, AI223968, AA634991, AW328330, AA488687, AA832016, AA661883, T40550, AA503307, AA354677, AW265688, AW151247, AI354333, AA584765, AA837771, AI146266, AA352521, AA838161, AW249720, T47138, R98409, AI859438, AA427808, AA481811, W02749, AL041895, AA515939, AI123488, F17537, AA669747, AI927275, AA810837, AA425924, AW264998, AA678616, N52276, AA364988, AI537800, AA329535, AI187148, AC005538, AC004098, AC002066, |

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| | | | | | <p>AJ133269, AC005031, U80017, AC004858, AC007637, AC004526, AC004148, AF109907, U02051, AL109952, AL031587, AC004019, Z97630, AC004253, AC007738, AL024509, U62292, L34635, AC005955, AC005089, AL133163, AL133245, L05367, AC005480, AC000064, AL096791, AC005231, AL096766, AL024498, Z83826, AL049776, AC004821, AC003004, AC006537, AC006441, AC005919, AL049636, AC004913, AL031346, AC007551, Z94056, AC004970, AD000092, AC004856, AP000502, AC004131, AC005015, AC002350, AL035079, AL096712, AC007566, AC006263, S42652, Z84722, U63721, AL096703, AC007182, AC000025, AC005666, AC003007, Z98941, AC006276, AL050318, AC002369, M87890, Z96470, AC005611, AC002310, Z68873, AC006344, AC004849, AC007842, AL022315, AC005730, AC005479, AC007436, AC005328, AL021579, AB022785, AC004517, L35532, AC005258, Z49236, AC005837, AL031311, Z85986, U95742, AL135744, AC007421, AL049832, AL034429, AL049540, Z15025, AC005632, D38522, AL008715, Z97053, AP000326, L78833, AC007686, AB023049, Z84474, AC002477, AP000054, AP000169, AP000122, AC005377, AJ236701, AC006126, AC005332, Z69917, AC007314, AL132987, AC005211, AC005826, AC006254, AC016027, Z84469, AC007435, AC006379, AC004973, AC002306, AC004851, AC004030, AC007860, Z82208, AC003029, AC005180, AC016830, AC003010, AC000075, AC004655, AC004882, AF196971, AL031230, AL022311, AP000512, Z98048, AF134726, AL121838, AC012627, AP000503, AC005071, AC005839, AC004686, AL049830, AC006132, AC007384, AC007216, AL133243, AP000253, Z81364, AC004663, Z83844, AL035072, AC007225, AL049712, AC005210, AC006388, AF047825, AC009946, AP000691, AC005681, Z85994, AL035685, AC005519, U16302, AL031281, AC006125, AC004542, AC004816, Z93017, U91326, AL031728, AC007226, AF001550, AL133312, AC004811, AC005306, AC004626, AC004802, AC004883, AC004841, AC000070, Z97054, AC003081, AF111169, AC006976, Z83840, AC006285, AP000008, AC004707, AC002045, AC005696, AL021707, AC005200, Z95114, AD000864, AC005763, AC005736, AL121655, AL049757, AC004685, AC006251, AF023268, K01254, AL034421, AC005911, AL109798, AL024474, AC005759, AL049758, AF124523, AL049794, AL031983, AC002300, U62293, AC005280, AP000704, AP000498, Z93848, AC004825, AC003688, AL008718, AC005971, AL031258, AL035658, X54486, AB026898, AC004859, AC006480, AC009247, AC004662, AC007731, AC005527, AL109967, M17262, and AC005500.</p> |
| HCWFEU83 | 1198 | 574864 | 1 - 515 | 15 - 529 | T71420, H65742, R17043, R53388, N39910, AL031295, and AL049675. |
| HCWFEV16 | 1199 | 849953 | 1 - 381 | 15 - 395 | |
| HCWFEV21 | 1200 | 849905 | 1 - 349 | 15 - 363 | |
| HCWFEV25 | 1201 | 733993 | 1 - 535 | 15 - 549 | R92125, T98334, A1424340, AA632445, and AC004749. |
| HCWFEV32 | 1202 | 960099 | 1 - 247 | 15 - 261 | AF001550. |
| HCWFEV34 | 1203 | 577896 | 1 - 456 | 15 - 470 | AA488048, AW007822, AC005244, AC004673, AL080241, AC004075, AC002412, AC004388, AL132668, AC005100, AF117829, AL022158, AC004555, Z95152, AL022310, AC004478, |

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| i | | | | | | | AC000114, AC007680, AC004014, AC007655, AC006313, AC007115, Z80771, and AL035464. |
| HCWFFV37 | 1204 | 575715 | 1 - 408 | | 15 - 422 | | N64515. |
| HCWFFV50 | 1205 | 723666 | 1 - 433 | | 15 - 447 | | |
| HCWFFV69 | 1206 | 527087 | 1 - 410 | | 15 - 424 | | AC004007. |
| HCWFFW51 | 1207 | 671807 | 1 - 493 | | 15 - 507 | | AA911986, and AP001055. |
| HCWFFX23 | 1208 | 675902 | 1 - 332 | | 15 - 346 | | |
| HCWFFX30 | 1209 | 825920 | 1 - 322 | | 15 - 336 | | |
| HCWFFX44 | 1210 | 703028 | 1 - 503 | | 15 - 517 | | N51043. |
| HCWFFZ30 | 1211 | 692719 | 1 - 310 | | 15 - 324 | | AL119853, and Z69304. |
| HCWFFZ56 | 1212 | 733414 | 1 - 294 | | 15 - 308 | | |
| HCWGA27 | 1213 | 861968 | 1 - 325 | | 15 - 339 | | A1880278, AW276156, A1983646, AA877596, A1887774, A1347477, A1673036, A1458241, and AL022237. |
| HCWGA32 | 1214 | 699272 | 1 - 331 | | 15 - 345 | | |
| HCWGB61 | 1215 | 733105 | 1 - 487 | | 15 - 501 | | L44329. |
| HCWGB64 | 1216 | 578734 | 1 - 158 | | 15 - 172 | | |
| HCWGB78 | 1217 | 861843 | 1 - 380 | | 15 - 394 | | |
| HCWGC02 | 1218 | 917348 | 1 - 321 | | 15 - 335 | | |
| HCWGC50 | 1219 | 772358 | 1 - 399 | | 15 - 413 | | |
| HCWGD20 | 1220 | 906973 | 1 - 373 | | 15 - 387 | | A1636734, AA557982, AA715527, AA715344, AA284247, W02749, W63553, AA715284, A1923360, AA557136, AA742815, A1929298, A1929825, AL120543, AL039930, T47138, AW157180, A1291419, AW403829, AA401921, A1571866, AA219349, A1368873, AC006141, AC004257, AC005317, AC005071, AL031123, L78810, AC004542, AC007216, AP000501, AC007052, AC006449, AC003665, AC005531, Z85987, AC007637, AL008726, AC007546, AF001548, AC007686, AC004821, AL031295, AC005529, AL135744, AC000353, AP000313, AC005911, S45332, Y10196, AC004825, AP000050, AF196779, A1251973, U95740, AC005088, AC004797, AP000117, AF134726, AC006581, AC006211, AC005696, AP000557, AC006946, AC004638, AL050342, AC006130, AC005484, AC000025, Z84718, AC004890, U78027, AL078593, AC003070, AL033375, AC006360, AD000092, AL035422, AC007690, AL049874, AC009516, AL050327, AC005015, AC006251, U91326, U95742, AF045555, AC006241, Z99495, AC002310, AC006480, AC004531, AL031733, AP000350, AC005261, AC020663, Z98884, Z98941, AC006121, AC005081, AC006084, AP000302, AC004820, AC006160, AL109628, AP000558, AC005102, AC006487, AP000352, AC002416, AC004765, AC002425, AC005189, AP000114, AP000046, AL078477, AL035684, AC005920, AC007376, AC005740, AC002544, AC004876, AC010582, AL031680, AP000503, AC002477, AL133246, AC007041, AC005324, AC007880, U47924, AP000065, AC009405, AL022240, AC005027, AC006539, AC004983, AC004832, AC005919, AL031311, AC004815, AC004448, AC003002, AC007738, AC007225, |

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| HCWGD33 | 1221 | 849909 | 1 - 327 | 15 - 341 | AL121655, AC004000, AC004927, AC004933, AC008044, and AC006080. |
| HCWGD66 | 1222 | 496411 | 1 - 264 | 15 - 278 | |
| HCWGE12 | 1223 | 967067 | 1 - 364 | 15 - 378 | |
| HCWGE22 | 1224 | 727967 | 1 - 328 | 15 - 342 | AA330772, AW022897, R79496, AA188940, H12383, AL038971, AI339974, AA370455, AL031584, Z98941, Z97055, AC004815, AC005015, AC004584, AL022165, AC005952, AC004491, AC000134, AC005821, AJ003147, AC004876, AC004966, AC005102, AL031276, AC003690, AC007842, AC004552, AC006071, AC006285, AC005280, AC005300, U07563, AL035071, AC002045, AP000692, AL049757, AC002299, AC006953, AC005048, AC008044, AC005527, AP000513, AC004926, AC007151, AC016830, AB023049, AC004526, AL121578, AC005529, AC002470, AC006312, Z85986, AC007993, Z84469, AC002558, AC004638, AC005726, AL031279, AF111168, AC004967, AC004832, AL020997, U91326, AC007541, Z82208, AC004263, AJ229042, AC000025, D84394, AC016025, Z96074, AC005519, AC007041, AL034429, AC007308, Z95115, AC006252, AL031311, AJ251973, AL035659, AC005011, AC004167, AC006251, AL035089, AC005899, AC002544, AL096702, AC002365, Z98946, AC004770, AC006121, AL132712, AC004945, AC007421, AF064861, AC006530, AL031291, AC006946, AC006211, U80017, AC000359, AP000346, AF128525, AP001054, AC000357, AL009181, AL035450, AL009182, AL133500, AL031228, AC005081, AJ010770, AF001552, AC008372, AL022722, AC006388, AC006023, Z97053, AC004228, AC002565, U52111, AC006120, AL035681, AC006450, AL049872, AL049636, AL034555, AL035415, Z99128, AL035587, AC006040, AC006115, AC002070, AL022238, AC006324, AC005940, AC016027, AC004687, AP000252, AP000211, AP000133, AP000167, AC004216, Z82201, AP000689, AL008726, AP000558, AC004887, AC005874, AF134471, Z93930, AC005993, AC003108, AC006006, AF038458, AC007676, AC002301, AC006012, Z82178, AC009247, AC006544, Z98304, AL021878, AC004953, AP000031, AL021546, Z83845, AC005180, AL049779, AC005800, AC005480, AP000694, AC002059, and AC004217. |
| HCWGE23 | 1225 | 853004 | 1 - 453 | 15 - 467 | |
| HCWGE25 | 1226 | 657236 | 1 - 363 | 15 - 377 | |
| HCWGE39 | 1227 | 705403 | 1 - 58 | 15 - 72 | AI811654, and AI032916. |
| HCWGE47 | 1228 | 925105 | 1 - 429 | 15 - 443 | AC004072. |
| HCWGE53 | 1229 | 728249 | 1 - 342 | 15 - 356 | T47041, and AC010385. |
| HCWGE65 | 1230 | 720349 | 1 - 348 | 15 - 362 | |
| HCWGE73 | 1231 | 757333 | 1 - 198 | 15 - 212 | |
| HCWGE78 | 1232 | 527557 | 1 - 325 | 15 - 339 | |
| HCWGE92 | 1233 | 792722 | 1 - 273 | 15 - 287 | AL117411, AF109126, and X99338. |
| HCWGF06 | 1234 | 935492 | 1 - 398 | 15 - 412 | |

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| HCWGF71 | 1235 | 960089 | 1 - 436 | 15 - 450 | AC008055. |
| HCWGF74 | 1236 | 529235 | 1 - 231 | 15 - 245 | |
| HCWGF75 | 1237 | 682351 | 1 - 347 | 15 - 361 | |
| HCWGF76 | 1238 | 752789 | 1 - 321 | 15 - 335 | AA719214, and AA716020. |
| HCWGF91 | 1239 | 754244 | 1 - 141 | 15 - 155 | |
| HCWGF92 | 1240 | 861865 | 1 - 293 | 15 - 307 | AW16641, AI049676, AA774098, AI668994, AI336771, AW069227, AI634187, AI457313, AA837325, AI018726, AA318652, AL037777, AL044712, AI252726, AA525332, AI369076, W26972, AI241637, AL044177, AA484651, AA598605, AI243793, AI679045, AI120004, AA588353, AA487209, AA376358, AL039761, AI017733, AW270429, T53133, AW270351, AC002381, AP000959, AC004908, AP000070, AP001053, AL078581, U89335, U52111, U85195, AE000658, AC007221, Z73913, AL049828, AC007214, AC004617, Z95152, AP000168, AL031685, AC007934, AC004584, AC005829, AL049589, AF111167, AC005587, AL109837, AL035089, AC003950, L11910, AC004787, AL121757, AC000081, AP000501, AL022345, AL022163, Z83838, AC004859, Z81010, U78027, AC005921, AC005625, AC005822, AP000251, AC009405, AL049699, AJ011930, AC002091, AC003973, AC008101, AC005873, AP000030, AP000507, AP000557, AL035071, AP000555, AC006115, AC005225, AB002353, AC004796, AC006515, AL034418, AC002565, Z84474, AL021397, AC006541, AC005391, AF165141, AC003002, AC005231, AP001054, AC002543, AC005237, AC005920, AL022326, AB023049, AP000512, AL109613, AC009275, AC005666, AL049759, Z81370, AC004912, AL035422, AC005755, AP000503, AL023553, AF134726, AL031391, AL035587, AC002314, AC006277, AD000671, Z86063, AC003030, AL022320, AC004001, AL031282, AC004685, AC004466, AL009174, AC004876, Z97054, AC004812, AL096791, AL031427, Z98200, AC005184, AP000553, Z83844, and AC005089. |
| HCWGG07 | 1241 | 849889 | 1 - 388 | 15 - 402 | |
| HCWGG39 | 1242 | 849891 | 1 - 575 | 15 - 589 | |
| HCWGG62 | 1243 | 916454 | 1 - 349 | 15 - 363 | |
| HCWGG71 | 1244 | 710828 | 1 - 371 | 15 - 385 | N88113, N85682, N86592, AA092643, AA091872, and AA096089. |
| HCWGG80 | 1245 | 529242 | 1 - 319 | 15 - 333 | |
| HCWGG84 | 1246 | 853106 | 1 - 388 | 15 - 402 | R51952, and AC005214. |
| HCWGR34 | 1247 | 923577 | 1 - 363 | 15 - 377 | |
| HCWGR43 | 1248 | 734888 | 1 - 302 | 15 - 316 | AA513238, AA526630, AI051037, AI243789, AI002810, AI051457, AA329659, AA064815, AA707879, F07155, AA362988, AI027056, AI002207, W03818, AI581486, T91561, AA657835, AW188427, R22496, R63562, H03144, AA578358, AA328676, AA503407, AA149724, AA297006, AF053356, AC005409, AF001550, AC010205, AC004895, AL031003, AC004851, AC006211, AL078581, AL020997, Z83846, U91318, AC003684, AC007685, AC004821, AC004098, AC005914, AC004796, AC005484, AC005919, AL049869, AC005243, AL133371, |

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| | | | | | AL031657, U85195, U07563, AP000514, AC006539, AC005358, AE000658, AC002395, AC006571, AC005082, AC004242, AL008729, AC005399, AL035695, AC005237, Z84483, AC008154, AC007566, AF002223, AP000511, AC005632, AL022238, Z98742, AC008372, AC007041, Z82215, AC008038, AC005562, AC006960, AC000085, AL035684, AP000512, AC005779, AC005516, AC004019, AF001548, AC004000, AF064861, AL022396, AC005180, AC002400, AL034451, AL133163, AC005035, AL049833, Z93783, AL022718, L78810, U91323, AC004605, AC006050, AF196779, Z83843, AC004217, Z85987, Z99774, AC004167, AL096701, AF106564, AL031662, AC005483, AC004963, AC003070, AP000045, AL132992, AL022312, AF165926, AL050318, AL035086, AC004139, AC007225, AC003007, U80017, AL049795, AL080243, U95743, AL008718, AL031311, AC009509, AL049780, AC005725, AC002301, AC004386, AC006241, AL050348, AC000353, AC009223, AC004890, AL096761, AC004996, AC006023, AF030453, AC005531, AL049871, Z94044, Z69917, AC007376, AC005088, AC006480, Z98950, U52112, AL031431, AF205588, AL034420, AC004878, AC007919, AC005037, Z82172, AL121653, AF111167, AC002504, AL117355, AC007226, AC002350, AL023284, AC007993, AL034449, AC007199, AL109939, AC005736, AB020859, AF088219, AC004216, AC000159, AL121754, AP000509, AC016027, AC007537, AC005722, AL035091, AC016830, AC007055, AC006531, AC005529, and AC006055. |
| HCWGR47 | 1249 | 719518 | 1 - 251 | 15 - 265 | AC007684. |
| HCWGR48 | 1250 | 690954 | 1 - 167 | 15 - 181 | AL009177. |
| HCWGR69 | 1251 | 849946 | 1 - 422 | 15 - 436 | T40338, AA657918, AW080134, F16127, F37169, AW265654, AA469451, AA984640, AA704643, AL041368, AL138242, AA491545, AA713767, F29989, AA649642, AI200051, AW023389, AA650434, H65428, AI355206, AA501809, AI061334, AA831388, AA525151, AW406659, AA847128, AA364224, F34795, AA601355, F23249, AA640979, AA156538, F33511, AA678436, AA491814, T63104, N27353, AA533725, AA513939, AA581903, AA649705, AA634238, AA747472, AA714453, AI824562, AA482711, AA310868, AI924251, AA604869, AA654979, AA847753, AA525406, AI963720, AA364315, AA507824, AA601892, M77895, AW104748, AW236342, AA503258, AL043721, AA703707, AA441788, AA310879, AW250970, AI963095, AI303008, W07122, M62272, AA457771, AA318652, AI982651, AA569075, AA470985, AI284640, AW088058, AI471464, F28776, F35673, H64777, AW272758, AA206935, AA604897, AA713534, AI918421, AA235575, AA768905, AI251002, AA708352, AI610159, AI344844, AA749274, AA371567, AI471487, N31557, AA515224, AA767376, AA347531, AA644551, AI962050, F27027, AI287651, AA626678, AA702614, AA745560, AA302732, AA644538, AA831599, AI287528, AI792287, AA425922, AA668578, AI653905, AA101689, AA513972, AW265294, AA523810, H22634, AA713762, AI100372, AA652057, AA603323, AI708009, AA713933, AI246796, AA469460, AA578017, AA613851, AI264743, AA573020, AA468022, AA640900, F23315, AA557879, AA369477, AI610920, AA683037, AI281697, AA143477, T49241, AW406447, AA632960, F36404, AA199660, F32808, AL119691, |

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| | | | | | AW341900, AA551201, AA635067, AA601876, AA192695, AI270326, AA910125, N55273, AA535937, AA071144, AI471572, AA357987, AA557325, AI160117, AA747480, AA665021, AI523668, H96730, AI061296, AA071393, R96657, AI917271, AI633007, F36273, AA526193, AA746726, AA931647, M37551, Z30994, U22376, U57007, Z30983, X54176, Z31005, Z98885, AF087913, AL049759, AC009263, AC005839, AF015148, AC004887, M87919, M77848, AC007050, AL109839, U91326, X75335, AL121655, AC005787, AF015155, Z30979, AF192789, S77605, U14717, AL096701, S75337, AF015152, U02049, U14711, U14712, U14713, J03071, AL079295, AL109628, L44140, AP000556, AC005520, AL117258, AP000552, Z81369, M77849, AF015153, AL034401, AL078581, AF015160, U14708, Z83840, AC005740, M29322, AC020663, AC005280, AC005785, AP000117, AL022316, X67330, AP000553, AL133382, AC009516, AC006538, AC002544, AC002055, AC000951, I51997, AL031276, AC004890, AL009179, AL031229, AC003688, AL021937, AC002425, AL035535, U47924, AC007160, Z75887, AC003046, D26535, AC004463, S75201, AC005763, AL049697, AC005988, AL080248, AC000353, AC005412, AL035688, AC004263, AC006285, AC006312, AL135744, AL031732, AC004797, AF207550, AC006505, M89651, M87918, AF054569, AC006360, Z32772, AL049757, AC004859, AC007462, AC007731, AC007240, AP001045, AC006441, AC005500, Z98884, AP001052, AF111170, AC006241, AL020989, X60653, AL049829, AC006130, AC005516, AC016025, AC005102, AC004477, AP000557, AC006012, AF180475, AC005399, AC004139, AL078621, AJ011930, AP000272, AC006079, AL096774, X77859, AC005829, Z98050, Z84721, AC009946, AC007537, AC004531, AC005088, AC004224, AL035071, Z49236, AC007488, AC007360, AP000079, AC005527, AC007664, AC000004, AC002301, AL024495, AC006011, AC007382, AC006037, AL022313, AL049576, AC004645, AC002984, AC005921, AC010168, AC005105, Z86064, Z84480, AL049795, AL049569, AL132987, AC004775, AL035410, AC005370, AF015416, AC005355, AC004492, AC005257, AC006252, AF110465, AB023049, AC004808, U14719, AC003104, Z98052, Z75744, AC010582, AL035423, AC006317, AL034430, AC005920, AF024533, AC018767, AL034553, AL031255, AC005924, AC007064, AC007057, AC004050, AP000745, AC003109, AB031740, Z84474, Z97053, Z82244, AC005011, U34055, M77847, AL034379, AL008708, AC007676, AL021878, AC011604, AL049699, AL121658, AC005567, U34052, M64231, AF121781, and AL049539. |
| HCWGR76 | 1252 | 778293 | 1 - 399 | 15 - 413 | N88601, AA247827, N84855, H58760, N84048, N83993, N84718, U39066, AF039698, AF032922, and S78798. |
| HCWGR88 | 1253 | 736056 | 1 - 202 | 15 - 216 | |
| HCWGT45 | 1254 | 913730 | 1 - 691 | 15 - 705 | N53076, T90911, D25951, AA650097, and AI801737. |
| HCWGT49 | 1255 | 527085 | 1 - 406 | 15 - 420 | |
| HCWGT66 | 1256 | 531374 | 1 - 448 | 15 - 462 | |
| HCWGU11 | 1257 | 967064 | 1 - 650 | 15 - 664 | AA913734, AI056453, and AW194191. |
| HCWGU49 | 1258 | 674752 | 1 - 227 | 15 - 241 | AA947385, AA468583, and AC005214. |

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| HCWGU57 | 1259 | 705637 | I - 117 | 15 - 131 | AI078214, H77522, and AI052167. |
| HCWGU86 | 1260 | 666943 | I - 295 | 15 - 309 | |
| HCWGW10 | 1261 | 935865 | I - 382 | 15 - 396 | AC004590. |
| HCWGW12 | 1262 | 964088 | I - 426 | 15 - 440 | N56555, N88601, AA093861, AA247827, N84048, N83993, N84855, N87989, AF045432, AI243486, U48696, AF039698, and AF032922. |
| HCWGW13 | 1263 | 849911 | I - 395 | 15 - 409 | |
| HCWGW32 | 1264 | 615553 | I - 448 | 15 - 462 | |
| HCWGW63 | 1265 | 745091 | I - 57 | 15 - 71 | Z69705, and AC004754. |
| HCWGW80 | 1266 | 742103 | I - 153 | 15 - 167 | W07329, AI638772, AI766112, AA947305, AI684857, AF086142, and AF086126. |
| HCWGW85 | 1267 | 556369 | I - 265 | 15 - 279 | |
| HCWGW86 | 1268 | 785506 | I - 330 | 15 - 344 | AA584167, AA747070, AI345157, AA580808, AA493695, R95139, AW075948, AA847499, AA468022, AW275510, AA501762, AW193265, AW438643, AW302903, AW249224, AA577959, AI873852, AL042753, AI873990, AA478355, AW149313, AI872020, AI247199, AA483771, AI754658, AI350211, AI687343, AW274349, AA662225, AI583283, AI696962, AA531079, AL048925, AI860013, AA808877, AA724333, AW303196, AI040342, AL038072, AA679532, AA224083, AA515909, AW303002, AI567076, N35602, AA507824, AI133297, AA568869, AA515334, AA847952, AI613280, AA961035, AA468456, AI270117, AW002350, AI471887, AA321168, AA490183, AA333638, AA428792, AA524821, AA369254, N29815, AW301350, AI305766, AI972203, AI584186, AW069769, AA912099, AI932493, AA664909, AA857486, AA683258, AI281881, AI284640, AA613345, AW264934, AA504877, AA588001, AA828749, AI801482, AI169263, AW023990, AW103758, AA634889, AA502860, AI608668, AW235497, AA483223, AA224525, AW276817, AA581903, AA661921, AI054343, AW327868, AI963720, AL120933, AL046205, AL041690, AW270709, AA584082, AL042853, AI634384, AI865905, AA653375, AI368256, AA469451, AW083402, AA623002, AI783494, AW270382, AA938105, AI733755, AI933534, AA812281, AA483929, AA019312, AA577906, AA584581, AW419262, AL042547, AW083364, AI167055, AA576336, AA581123, AA610491, AI434706, AA702729, AI744995, AA682912, AA639326, AI654525, AW274346, AI866160, AI431303, AA579075, AI345654, AA719292, AA658362, AA788901, AW248803, AI445674, AA523837, AA720702, AI816141, AI002510, AL120927, AI358431, AL118991, C16397, AA846876, AA220943, AA613397, AL046409, AA192740, AI133164, AA178953, T06648, AA834792, AI110844, AA715255, T74382, AA715267, AA848134, AL120269, AI824706, AI698447, AI085719, AA478297, AL040130, AI093030, AA533762, AA584667, AI640841, R35746, AA380354, AW276710, AA745406, AA578997, AI470646, AA650376, AA581076, AA601270, AI633390, AW275971, AW301809, AI580250, AI241821, T51911, AA503015, AW118539, R02632, AA126777, AA774780, AA326372, AA533333, AI254913, H71429, AI708009, AA631507, AW168618, AI636730, AA480784, AF034184, AL119713, AW050498, Z84482, AC005028, AC002549, AC006155, AC004620, AL022329, AC005375, AL117356, AL021408, AC005768, |

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| AL042667, AL042670, AA642809, AL048060, AW272815, AI433952, AI889995, AI753904, AA55232, AA525818, AA584360, AI310670, AI568376, AW104161, AI697235, AA533381, AA603359, AA669238, AA676592, AW192419, AI733856, AI049643, AI697239, AI697242, AI791659, AL041375, AA640305, AA298365, AA179364, AI270280, AA630476, AA324108, AI927275, AI436433, AI523540, AI434653, AA284247, AA714011, AW151247, AI310787, AI279417, AW238341, H86725, AI355246, AI801563, AI475297, N54538, AI380617, AI690379, AI755227, AI049845, AI431442, AI859368, AL036282, AI473671, AA515727, AI814750, | | | | | |
| HCWG95 | 1269 | 958780 | I - 451 | 15 - 465 | |
| HCWG05 | 1270 | 902512 | I - 1076 | 15 - 1090 | |

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| <p> AL349130, AW089625, AA747234, AA085410, AW409626, AA218851, N40092, AW148964, A1719298, A1679902, A1925423, A1679394, A1678812, AA720582, A1075753, AA814503, AA490602, AA101265, N67313, AA703818, AA493947, A1360558, R99532, AA807684, A1025857, A1285493, AA419230, R51520, AA314404, AA233462, AW409621, A1278440, A1277373, A1808499, N66775, AA768079, A1800426, A1923052, AL039436, A114125, A1567676, AW328446, A1869797, AA086042, AF118808, U52112, Z98048, AC006064, Z93023, AL096701, AC007707, AC007934, AL031680, AF124523, AC005484, U91321, AC006121, AC006328, AL050321, AF038458, AL008582, AC005280, AC007371, AF196969, AL080243, AC002037, AB000882, AC006208, AC005099, AL022721, AC004815, L78833, AC007226, AF109907, AC009247, AC004962, AL031123, AL021939, AC005089, AL031311, AC005412, AL034420, AP000513, AC007546, AC003072, AC004662, AF184110, AC005358, Z95116, AL139054, AL109801, AC008134, AF047825, AC006059, AC005971, AP000506, AC007277, AL021391, AF053356, AC004522, AC000039, AC003663, AP000512, AL049569, AL049776, Z85986, AC006344, AC002425, Z95114, AC005520, AL035681, AF146367, AC004805, AC004770, AP000348, AL109798, AC006538, AC005257, AC004963, AC003043, AC004967, AL121756, AB023051, AP000049, AC005004, AL136504, AL049843, AC004777, AC006946, AL022476, AD000092, AP000085, AC004475, AC006441, AP000311, AC005094, AC007055, AC004448, AC009464, AC007656, AP000104, Z83838, AC006449, AL133163, AC005193, AP000501, AC004655, AL022326, AC003071, AC004858, AF129756, AC007637, Z83847, AD000833, Z98946, AL049733, AC007052, AC004106, AP000555, AC005486, AL021393, AC003973, AC005288, AC005399, AC002394, Z98200, AC005619, AL022337, AC007041, AL023575, AL022327, AL031904, AL035071, AC005839, AC007688, AC005531, AC004656, AC003962, AC002565, AC005594, AC005566, AF003626, AC004009, AC005274, AL035464, AL049844, AC005841, AC000075, AC000084, AL031289, AC005663, U80017, U82828, AC006600, AC004382, AL050312, AC005664, AP000157, AP000345, AC006046, AL031427, AP000011, Z93244, AL049759, Z81364, AC008126, AC004201, AL031228, AL049795, AC003982, AL031432, AC005067, AC010205, AC004129, AC005368, AC007308, AL049780, AC003108, Z82206, AC003042, AP000346, AC003665, Z84469, AC004491, AC002126, AC006213, AL035588, U92032, AC005332, AL135960, AJ131016, AB0000877, AC003950, AC009248, Z96074, AL035420, AP000247, AL050347, AC007537, AL034417, AC005006, AC002470, Z81370, AC005736, AL009181, AF205588, AL096775, AC005206, AC007030, Z86090, AC004825, AC003690, AL031599, AP000556, AB023049, AC002090, AL035683, AC006165, AC005180, AC005694, L05367, AC007225, L47234, Z93241, AC005880, AC006965, AC003956, AL031120, AL078476, AC005666, AC010200, AP000152, Z93017, AL008583, AC005667, AP000014, AC002996, AL117325, AC006080, AL132800, AC002316, AL021155, AC004953, AL021707, AC004922, AC005837, AC005924, AC005512, AP000126, AP000204, AL132826, and AL050348. </p> | | | | | |
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| HCWGX23 | 1271 | 720486 | 1 - 312 | 15 - 326 | |
| HCWGX41 | 1272 | 849887 | 1 - 343 | 15 - 357 | AC004033, AC007731, and AC005500. |
| HCWGX58 | 1273 | 920693 | 1 - 743 | 15 - 757 | C18732, AA634806, AA729161, and AA729860. |
| HCWGX68 | 1274 | 733413 | 1 - 115 | 15 - 129 | |
| HCWGX82 | 1275 | 924102 | 1 - 274 | 15 - 288 | Z95115, AC004491, AC005089, AL049843, and AC004973. |
| HCWGX94 | 1276 | 793197 | 1 - 170 | 15 - 184 | |
| HCWGY02 | 1277 | 920113 | 1 - 348 | 15 - 362 | |
| HCWGY03 | 1278 | 924208 | 1 - 251 | 15 - 265 | AI183881, AW014092, AI085895, and AC007245. |
| HCWGY12 | 1279 | 970693 | 1 - 324 | 15 - 338 | |
| HCWGY20 | 1280 | 669717 | 1 - 311 | 15 - 325 | |
| HCWGY33 | 1281 | 702441 | 1 - 476 | 15 - 490 | AA618172, AA632695, AL031681, AC004699, AC002565, AL133353, AL033403, AC004383, AC005562, and AC004128. |
| HCWGY43 | 1282 | 660568 | 1 - 228 | 15 - 242 | AA716190, AA515438, AA614340, AA618172, AA632695, AI168274, AA760672, AA174138, AA135377, AA348966, T68597, AI735455, D44625, AA206028, AA747322, H17731, AL042425, AA809631, R98945, AW449193, AA226172, AA226173, H59461, AA468491, AA468952, T96546, AI734154, AI732760, AI124595, AA377927, AI240831, AI890794, R54247, R18870, R22698, AA551582, AC006511, AC004129, AF047825, AL031685, AC011331, AD000092, AC005086, AC002070, AL023096, AL031297, AC005495, AC005844, AC004984, AL034379, Z82173, AL034553, AL020997, AL031680, AC007686, AC008134, AL049653, AC005899, AC002044, AP001053, AP000349, AC005082, AC002994, AL031178, AL021937, AL031681, AC007790, AL049575, AC004552, AC007277, AC006501, AP001068, AJ011930, AF121781, AC005609, AP000350, AL135879, AL121790, AC005280, AC005189, AL133238, AD0000813, Z84466, AF001549, AC002132, AL133396, AL049844, AL035461, AL035070, AC002112, AC005620, AC006966, AL031670, AC004616, AL035703, AC009178, AL121652, AF196969, AC004079, AC001226, AF111169, AL049830, AC005003, AC005262, AB020863, Z82203, AC004098, AC004491, AP001059, AC004525, AC004682, AC009509, AP000502, AF134726, AF196972, AL133485, Z92542, AF002223, AC006160, AC004143, AF067845, and Z98304. |
| HCWGY64 | 1283 | 670896 | 1 - 233 | 15 - 247 | AW020871. |
| HCWGY67 | 1284 | 861886 | 1 - 320 | 15 - 334 | |
| HCWGY76 | 1285 | 496402 | 1 - 322 | 15 - 336 | |
| HCWGY85 | 1286 | 917132 | 1 - 338 | 15 - 352 | |
| HCWGY86 | 1287 | 711312 | 1 - 459 | 15 - 473 | |
| HCWGY90 | 1288 | 960159 | 1 - 250 | 15 - 264 | |
| HCWHA03 | 1289 | 924189 | 1 - 136 | 15 - 150 | AC006468. |
| HCWHA09 | 1290 | 968224 | 1 - 157 | 15 - 171 | AC003689. |
| HCWHA10 | 1291 | 961278 | 1 - 376 | 15 - 390 | AA551798, H91611, AI933638, AA593537, AA229422, T05118, AA578832, AI801649, |

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| | | | | | <p>AA470496, T05684, AL046519, T56727, AA581525, N71619, T94072, AA583728, AA584527, AW151247, AA129272, AL041019, AL041018, AA229823, N91711, AA225100, F23338, F09355, AI355103, F31575, AA228979, AA572921, F34506, AI801563, R77715, AA504951, AA503142, R56541, AI560085, AI189682, F02248, H86579, AI114733, AI133552, N63897, AI445934, AI206841, AL047493, AA502110, AA225028, AA502532, AI340858, H62923, AA706160, AC002470, AC004757, Z30987, U47924, AL022326, AC005962, AF126403, AF109907, AC000381, AC000061, AC005332, AC004895, U52112, AC004672, AF016898, AL031447, AC006512, AL135744, AC005486, AC005516, AC007308, AC007263, Z82215, AC003962, AL078621, AC005846, Z83819, AL049830, AC007686, AP000045, AC006576, AC005231, AC007690, AC004477, AC006480, AC003108, AC005412, AF108083, AP000694, AC003030, AC004559, AC004797, AL022238, AP000510, U80017, AC005535, AL031295, AC005937, AL022336, AL035462, AF110325, AC010077, Z85994, AC001231, Z84487, AC005695, AB023048, AC004765, AP000695, AC005399, U95742, AL050341, AC005796, AC007216, AC004617, AC005839, AL049779, AP000501, L34635, AC005180, Z99943, AP000511, AL133500, AC004674, AL049553, Z83822, AL096702, AC005261, AC005790, AC005071, AC005335, AC007192, AC007041, AC005306, AC003963, AC006001, AC004531, AC006960, AC005934, Z98749, AC005183, AC005178, AL117342, AP000687, AC002538, AL031682, AL117694, AL034420, AL035422, AC005622, AL035405, AC012384, AC004049, AC004752, AC005004, AP000113, AL034429, U85199, AC006262, AC005091, AL121603, AC004491, AC003002, AL009172, AL133246, U85195, AL121877, AF111168, AL031680, AC007676, AL109623, AC007551, AC022517, AL023553, AP000688, AL096801, AL109627, AP001068, AL136504, M74900, AL122020, AC005088, AC002549, AL139054, AC005288, AC007556, AE000658, AL049760, AP001067, AL096712, AC006441, AC006443, AP000133, AE000659, AC000084, AP000692, AC004522, AC007790, AC005663, AC006236, L78810, AL035658, AC008078, Z84469, AF001548, AC007934, AC004647, Z97632, AL121754, AC004216, AL078638, AC005102, AL022316, Z98742, AL049835, AL078581, AF067844, AJ011930, AC005696, Z69707, AL121655, AC004785, AC006323, Z84467, AC007639, AL022322, AL035661, AL049761, AL031291, AC004976, AC006011, Z96074, AL121757, AC009721, D88268, AC004998, AC005920, AL080243, AC004832, AP000116, AL121652, AL033524, AC004235, AC006461, AC005870, AC005215, AC005886, Z98884, Z93023, AL034421, AC004084, AC003104, AL031767, AC005763, Z93017, AC006130, AC005378, AC005365, AC005913, AC005828, U82668, AP000049, AL008639, AP000689, AC007540, AC007421, U82828, AC005358, and AC006088.</p> |
| HCWHA55 | 1292 | 731770 | 1 - 179 | 15 - 193 | |
| HCWHA56 | 1293 | 733424 | 1 - 352 | 15 - 366 | <p>AA192173, AA837098, AA923355, AA483125, AA461421, AA828696, T63954, AA834805, AA583978, W07032, AA494090, AI547286, N87410, AA378683, N43757, AA381665, C19058, AA450199, T28550, AI921649, AI376100, AA826144, AW074059, AA551509, AI356904,</p> |

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| | | | | | AI564284, AA091395, AA344959, AA338642, AI079667, AA776936, AA776921, N26276, AI922654, C17838, AI820998, T25706, AI471374, AI254798, AI956124, AA009855, AW238325, AI056566, AA598545, N72524, AA658235, AA465321, AA659856, AI758582, N53565, AL042213, AA338193, AA804828, AA360260, AW277171, AA748826, AA093453, AA372881, F19258, AW021886, AA419263, AA559341, W35195, T63416, AA491284, AA665908, AA365492, AA507282, R99777, AA613138, AA631638, AA679009, AW029625, AA768905, AA078255, AI345121, AA767376, AA482743, AA482757, AI570138, AA364488, AW103006, AA331231, AA670158, AC004106, AB006903, U89336, AC004923, AC005095, AC005387, AC005746, AP000346, AL035458, AC006461, AC003112, AF205588, AL022336, AC007308, AB020858, AC007298, AC001066, AC004638, L78810, AC005358, U55184, AC006127, AC006976, AC003041, AL031684, AC004638, D32063, AC005516, AP001040, AL023574, AL049757, AF196969, AC007312, AC006039, D32063, AC005516, AP001040, AL023574, AL049757, AP000553, AC005888, AL121915, AF109907, AC004592, Z98950, AP000497, AC005971; U92023, AC006121, AC004167, AL136295, AC005866, AL132712, AL034429, AC003065, AC005033, Z68273, AC004983, AC000392, AC005480, AC004858, AC006441, AC004893, AC005180, AC005599, AC006445, AL031427, Z98941, AC004125, AL024473, AL121580, AC007845, AP000345, AL049830, AC008040, AC001231, AC007687, AL009031, Z99755, AC002326, AF017257, AC016026, AC012083, Z84466, AC006557, AL031178, AL035460, AC006312, AL031985, AC005362, AF156495, AC000387, AC006116, AL133245, AC007314, AL121603, AL049795, L78833, AC004527, AC003664, AC004542, AC006120, U00481, AC005482, AC004712, AL035405, AC004859, AP000134, AP000212, AC004802, U80017, AC006531, AC000353, AC005023, AC007030, AF196971, L81893, AL132767, AC006479, AP000135, AP000270, AL035413, AC005800, AF139813, AC002057, AC006543, AL031722, AL031846, AP000356, AF165926, AB003151, Z93020, AP000031, U95740, AF044083, AC006511, AL031782, AC002470, AC005926, AC006530, AC007319, U66061, AC005207, AC006211, AL031680, AL121655, AL034548, AC005041, AC006544, AC005274, AC004263, AL008629, AC005277, AC005225, AC011331, Z69705, AP000359, AC016027, AP000310, AL117328, AC016830, AL021154, AL117694, Z98051, AC007686, AC005913, AL049758, Z95400, U67817, AC005740, AL110502, AL033376, AP000032, AC008067, AC005839, AL049712, AC004999, AC004159, AC005015, AL008639, AC004754, AC004929, U47924, AC005921, AC004848, AC006241, AC005082, M77848, AL035684, AC006449, AL022326, AP000692, AL050332, AL133448, AC003006, AL022476, AC004862, AC002492, AC004857, M77849, AC006509, AP000252, and AL050341. |
| HCWHA84 | 1294 | 733421 | 1 - 306 | 15 - 320 | |
| HCWHB12 | 1295 | 970688 | 1 - 366 | 15 - 380 | |
| HCWHB32 | 1296 | 966508 | 1 - 411 | 15 - 425 | AL122003. |

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|---------|------|--------|---------|----------|---|
| HCWHB65 | 1297 | 711437 | 1 - 122 | 15 - 136 | |
| HCWHB68 | 1298 | 573571 | 1 - 317 | 15 - 331 | |
| HCWHC01 | 1299 | 849886 | 1 - 320 | 15 - 334 | AW117951, N64437, AA345333, N66776, AA508509, AA669416, AA724230, AI432270, AW439480, AI358343, AW193546, AI570822, AL120502, AW243706, AI252085, R44592, Z83840, U85195, AE000658, AL109628, AJ011930, AC006449, AC005089, AL022163, AL022326, AL022238, L44140, AC000353, AC006374, AL020997, AL021707, AF196969, AF117829, AC004491, AC002381, AC002400, AC005046, AC007666, AC004671, AL049830, AL031577, AC000085, AC005565, AC002299, AL135744, AC005332, AC006211, AL121655, AL049874, AC004000, AL023807, AC005288, AC005826, AC004003, AL096701, AC007243, AC006312, AC006270, AL033525, AF042090, AC006379, AC006501, AL031737, AC020663, AP000509, U95740, AC006116, AC006285, AC004941, AF109907, AC005529, AC004895, AJ239321, AP000514, AJ246003, AC006530, AC007676, AC005212, AC004678, AP000031, AL023799, AL023281, AL121658, AL031120, U52112, AC005231, AL008718, AL034421, AC003663, AC006023, AL121652, AL035458, AC008126, AC005057, AC007277, AC004859, AL022720, AC000025, AL109847, AL133312, AL049745, AC005694, AB020868, AC002472, AC005527, AD001527, U47924, AL031668, AC002351, and AL049759. |
| HCWHC26 | 1300 | 950719 | 1 - 420 | 15 - 434 | AI446464, AA348929, AA525824, AA503454, AI832909, AA192470, AI608626, AI436677, FI9716, AI625647, AI589461, AA669251, AA045894, AI559251, N43757, C05755, AA451612, C06327, F10924, AA190911, AA446544, AA848172, AI472222, AI889781, U51696, AA338486, AL038703, AA652940, H64560, AA668639, AA744075, AA085124, AI064864, AA528519, AA074130, R78962, AI301713, AA359958, AI499134, AA243452, AW067900, R79263, AI692808, AI690698, F28576, AA347368, AL121505, AI357698, H60143, AA533450, AA669416, AA181823, W05405, AW302013, N92446, AL119984, AA954936, AI568678, AA593060, AI921649, AI969436, AA837677, AA182038, AA648064, AA630352, N95554, AI679132, AI376100, AI569086, AA303845, AA147197, AW117750, H85382, AA834820, T11542, AI798473, AA492252, AA480784, AA528516, AA886584, AA629992, AW074059, AA443138, AI356904, AI564284, C06119, T56719, AC005288, U18396, M57427, AL008715, AC007225, AC008115, AP000503, AL132777, AC006285, AL121658, AC016025, AC004226, AC007240, AC004895, AF134726, AC005879, AP000552, AL133445, AL080243, AC005231, AL049869, U57004, AF067844, AF172277, AL008582, AC002350, AL133448, AP000347, AL122020, Z83840, AL049872, AL049636, AF088219, AC003043, AC007226, AC005730, AC003969, AC005909, AC005412, AL117356, AF165926, AC005048, AL050312, AC004853, AC002550, AI239318, AP000042, AC003966, AL050341, AC005527, X06123, AL109802, AF090944, AC005488, AC000353, AC007676, AC005632, AC005529, AC004019, AC006449, AL021579, AL035460, AL109653, AC000025, AL121578, AC007546, AJ006996, L49046, AP000496, AC006359, AL021368, AP000497, Z69918, AC004813, AC003013, AF015723, AC002316, AF114156, AC006211, AL009174, AL021940, AC002543, X61109, AP001138, Z99716, Z97876, |

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| | | | | | AL031053, U95740, U91323, AL132987, AL034548, AC005332, AC004848, AL096791, AC005783, AL020995, AC004884, AC004534, AC007242, AC005726, AC006538, AC002133, AC005324, AC005414, AC005144, AL031229, AC000379, AL031733, AC005057, Z99774, AL034375, Z93930, AP000431, AC004035, AC005362, AP000704, AL246003, AC005821, AC005694, U62317, AC002312, AL078581, L76568, AC005793, AC005370, AC020663, AC005086, Z15025, AL078584, AL009181, AL035608, AC004230, AC007324, AC005808, AC005944, AL034343, AC007731, AC002558, AC006241, AP000355, Z95114, AP000555, AC005500, AL049776, U95742, AF124523, AF196779, AC005019, AL031846, AC007666, AL109799, U02050, L78833, AC005866, AB023052, Z98950, AC008079, AC005745, AP000289, AF196969, AP000556, Y18000, Z98752, AC004933, AC005523, AC005353, AC007216, AC005914, AC005624, Z93023, AL049829, AL031985, AC000052, AC006138, AC004522, AC005519, AL132992, AC004883, AL121825, AP000110, AC004814, AC004152, D16583, AC004076, AC004098, AL109627, AC002310, AC005913, AF053356, AC005399, AP000356, AC004695, AC006596, AC006126, Z99754, AC006162, AC004382, AC005209, AC007129, AF107885, AF019664, AC005069, Z93241, AC002526, Z84718, AC008101, AF032456, AC005668, AL078604, AL022311, AC002470, AL096701, AC004485, X77531, AC004466, AC004988, AC005725, AC004675, M13254, AL031602, AC004254, AC002395, AC004678, Z84476, S78429, Z98200, and AC005772. |
| HCWHC35 | 1301 | 706508 | 1 - 349 | 15 - 363 | AC004983. |
| HCWHC37 | 1302 | 706509 | 1 - 300 | 15 - 314 | |
| HCWHC50 | 1303 | 591202 | 1 - 537 | 15 - 551 | AL035414. |
| HCWHC59 | 1304 | 964852 | 1 - 252 | 15 - 266 | AI125214, H78331, N63856, and AA702824. |
| HCWHD07 | 1305 | 953384 | 1 - 438 | 15 - 452 | |
| HCWHD17 | 1306 | 663865 | 1 - 428 | 15 - 442 | AA019537, D58283, D80195, D80391, D51423, D59619, D80210, D51799, D80240, D80253, D80227, D80196, D80188, T03269, D80219, D59927, D80043, D80212, D81030, D80038, D80193, D80366, D80022, D59889, D80166, D80378, D59859, D59275, D80269, C14429, C14014, D80045, C75259, D80168, D80134, D59502, F13647, D80949, C14227, D57483, D80241, D59610, D81111, D58253, D51079, AW178775, AW377671, AW352158, D51097, AW360844, AW178971, AW177714, AW352171, AW179007, AW178754, AW179024, AW179020, AW177456, AW377676, AW179012, AW352174, D80290, AI557774, T11051, AW178986, AA033512, AA285331, H67858, AI525907, A62300, A62298, X67155, A67220, A84916, A25909, D26022, D34614, AJ132110, A78862, D89785, AR025207, Y17188, D88547, X68127, I82448, A85396, AR066482, AB010386, AB012117, X93549, A85477, U87250, A86792, I19525, A44171, AF135125, AR064240, Z32749, S69292, I18371, X89963, A43601, S78798, and AB033111. |
| HCWHD23 | 1307 | 934917 | 1 - 279 | 15 - 293 | AA432091, AC005899, AL050308, AC007371, AL031005, AC005089, AC008055, AC004922, AC004148, AC003982, AC005412, AC002365, and AL031311. |
| HCWHD68 | 1308 | 690359 | 1 - 394 | 15 - 408 | AC005591. |

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| HCWHF62 | 1309 | 582472 | 1 - 429 | 15 - 443 | H66222, R16430, and T99465. |
| HCWHF85 | 1310 | 746745 | 1 - 305 | 15 - 319 | H95605, T05617, A1630894, AA587113, AA456942, AA430652, A1918575, AL048479, AW316599, A1866377, R01574, AA223907, A1633386, AA830070, A1567391, AA021354, F30586, AA054170, A1653776, AA515129, A1336398, AW337805, A1096714, A1962030, N64807, H97510, F35689, A1905408, AW238212, AA018617, AA838192, A1921765, AA214227, AW082104, AL096701, AC005280, AC016027, AC016830, AF047825, Z84469, AF036405, AL031651, AL035458, AC004150, AL031447, AP000962, AC004983, AC000024, D87011, AF124523, AC004821, AD000684, AC006121, AC002394, AC004253, AC005482, AL109798, AL132774, AC006130, Z68165, AL049766, AC002425, AL132987, Z97056, AC003003, AL035400, AL031681, AL034420, AC006512, Z82193, AL033527, AC004477, AC007308, AL049713, AC005881, AC004884, AC002551, AL031577, AP000503, AC005736, AC007970, AF165926, AC007225, AF084941, AL031659, AC005874, AF13471, AF134726, AC005011, AC006441, AC006552, AC007536, AR036572, U91328, Z85987, AC004605, AC004259, Y11107, AL008707, AC006946, AC004600, AL031685, AL024498, AC007191, AF196972, AC006241, AC006023, AF064861, AC004554, AC006536, AC000052, AL031680, AC003982, AC002470, AC002300, AC005410, AL049777, AC004019, Z85986, AF111170, AC004938, Z94801, AL023575, AC005089, AL022336, AC005048, AC005837, U91323, AL096712, AC004031, AL049540, AL049765, AC000120, Z98051, AL049760, AL031431, AC004616, AC006312, U95090, AC004386, AC002314, AL008718, AC005368, Z75890, AC004643, AL110292, AF109907, AC003043, AC007381, Z98200, AL031596, AC005037, AF048729, AF001550, AC007731, AC005726, AC005500, AC004858, AC003108, AF118808, AC004491, AF015416, AC006487, AC005225, AP000555, AC005856, AC006115, AC007052, AP000365, AL109758, AC005091, AC002430, AC000003, AC005920, AP000303, AC004851, AC004878, L17395, A1011930, AC006509, Z73417, AC006328, and AC020663. |
| HCWHJ15 | 1311 | 968379 | 1 - 129 | 15 - 143 | AC009248. |
| HCWHJ25 | 1312 | 686712 | 1 - 340 | 15 - 354 | AA488432, AA829225, AA458804, AA364315, A1744739, AL041706, A1053644, AA362917, AA528725, AA720702, F28122, H57509, AA654968, AA146625, F33121, AA630362, AA988870, A1051230, A1056964, R99168, R77905, A1460390, AC007387, U95090, AL109654, AL135783, S41998, AC006536, AC007057, AL049872, AP000556, AC011592, AC006441, AP000552, Z85986, AF109907, AP000275, AC002350, AP000105, AP000037, AC006130, AC005694, AC006057, AC004858, AL117338, AC005527, AC004659, AL109984, AC000085, AC006121, AC008134, AL021394, AL031005, AL110502, AC004531, AL035458, L44140, AC005512, AP000692, AC000052, AC007537, AC007363, AC006285, AC006502, AL034451, AC004019, AL135879, AL121790, AC005529, AC002289, AC006277, AP000307, AL022329, AL096702, AC002288, AL134448, AL031587, AC002448, AP000115, AL022316, AL020993, AC007011, AL049797, AC007536, AL022320, AL121653, AL021878, AC005324, AL133382, AF042090, AC001226, AC005330, AL096701, AL021453, AC008064, AL022726, AC006255, AL050323, |

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| HCWHJ48 | 1313 | 721816 | 1 - 340 | 15 - 354 | AL049843, AC006512, AL050318, AF061779, AL022238, AP000114, and AP000046. |
| HCWHJ53 | 1314 | 693313 | 1 - 411 | 15 - 425 | AC008101, AC008079, AC016027, and AC016830. AA344959, AA831388, AA526193, AW408063, AA483043, AA365571, AA565700, AA302952, AA301813, A1249688, W07122, T41134, AA327572, H12972, AA063426, AA744025, AA516225, AA341120, A1963720, A1355206, R66407, AW019964, A1754105, AA702206, A1198376, AA227162, H59856, AA720746, A1038304, AA610491, AA384039, AA847029, AA737150, A1754567, A1569100, AW192599, AA368329, A1061334, A1755214, A1044000, A1708005, A1061313, A1928790, AA365520, A1569510, A1244356, A1080307, A1678392, A1624698, AA594725, A1281431, AW131356, AA804993, AA828704, A1912322, AA579184, AA747889, N54179, AA298387, H65439, A1886365, AA526755, AW265654, A1921317, N55476, D58782, AA364315, AA757743, A1860020, AA838479, T57604, H72666, C05999, AA838477, A1889794, AA633175, A120343, AL049795, AC005399, AC004983, A121653, AL021808, AC005225, Z69921, AC004797, AL132987, AC006459, AP000214, U02057, AL035071, AL049776, AL033392, AF165926, AC007216, AF111168, AC004910, AC005104, AL022320, AB003151, AC005252, AF109907, AC005089, D83737, A121657, AL023803, AC004460, A1008630, AC004890, AC003101, AC002425, AC002377, AC004470, AL031846, AL031296, AC005231, AC005874, AF134471, AC007738, AC000353, AP000255, AC006312, AF129756, AC020663, AP000354, AC007227, AL049766, AC004400, AF001549, AP000105, AP000037, AP000031, AC004854, AF196969, AC005071, AC007371, AL022158, AC004972, AC006538, AC006047, AC002523, M87914, AC005081, AP000135, U89337, Z93244, AC005772, AC006441, AC005899, M87918, AL022238, AP000692, AC004496, AC003108, Z98050, L78833, AF026069, AP000555, AB017602, AC011362, AC006077, AL031729, Z99128, AP000689, AL031255, AL080243, AF019413, U57007, AL023807, AC004019, AC006111, AL050318, AC005520, AC004463, AC006285, AC002400, AL078639, AC007285, AC007225, AC004259, AC007546, AP000513, AC004812, AC004600, AL034420, AC016025, AF196779, Z97055, AP000509, AP000251, AL034429, AC004216, Z99496, AC006271, AL031005, AC005796, AB015355, AL109759, AC004605, AC004929, AF045555, AC004859, AL049761, AC004841, AC004821, AC006953, AC007263, AL035415, AC007537, AC000052, AL049709, AC005393, AC005839, AC002553, U63630, AC007899, AB023049, AF053356, AC004770, Z93017, AP000141, AP000089, AC004408, AC007308, U07563, AC004066, AL035072, AL121603, AL022325, AC006160, AC005588, AC004585, AC004477, AL034417, AC002126, AL035681, AL121655, AC005768, AC002470, AL035587, AL035448, Z92540, AL023574, AC002997, U73638, AC004973, Z83826, AC002115, AP000512, AC006468, AC002404, AC003070, U66060, AP000211, AP000133, AP000030, U02058, U66061, AC007160, AC003104, AC007533, AC002542, AL109758, Z82176, AL008721, AL049760, AC007064, D26067, AL078476, AL121825, AC007688, AC007632, AP000009, AC006138, AC004802, AP000695, L78810, AC006059, AP000688, AL031428, AC004195, AC007666, AF207550, U91326, AP000350, AC005940, AC004242, AC005747, |

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| HCWHJ55 | 1315 | 861884 | 1 - 719 | 15 - 733 | <p>AC006515, AF015155, Z98048, AP000556, AF067844, AC005668, AC004211, AP000275, AL035659, AL035405, AC005146, AC005370, AL034401, AC006013, AC002985, AC004383, AL021977, AL049713, AL136504, AC005207, AL133485, AC005539, AC004858, AC004771, AC004918, AL049636, and AC005837.</p> <p>AI076616, AL045053, N48230, AL138265, AA130901, AI053790, AL042853, AI355206, AA581903, AA722372, AI963720, AA846876, AL119691, AA584201, AI817516, AW440545, AI374809, AW102955, AA468022, AI951863, AW265393, AL046409, AA877817, AI457397, AI284640, AA126035, AL046205, AW088846, AI732865, AW274349, AA507824, AL042420, AL040921, AW008212, AI305547, AI708009, AA468131, AI357901, AA703887, AA720702, AI281881, AI270117, F28204, AI312309, AA812139, H08791, AA584195, AA521399, AA623002, AA521323, AI345157, AA515829, AW163293, AI334443, AW021583, AA610491, AA501809, AW169151, AA837677, AW327868, AI956124, AA493471, AI871722, AA491284, AI204304, AI801482, AA490183, AA480772, AW238278, AA311319, AA587604, AI696962, AA515549, AL037683, AA610271, AA126051, AI254316, N94311, AW406447, AI431303, AI133164, AA349366, AW303196, AW265385, AW407578, AA657918, AI445582, AA503473, AL041690, AA478355, AA599480, AL038072, AL038705, AW301350, AW304584, AW270382, AW193265, AW103758, AI368256, AW439558, AI345518, AI471481, AI368745, AL044940, AW062682, AA514854, AL046457, AW028392, AW131249, AI744188, AW020340, AA491814, AA503475, AI138455, AI860020, AA846760, AA703820, N92756, AI133262, AI865905, AI207401, AI799642, AI267818, AI625244, AA569471, AI307608, AI969436, AI249997, AA576336, AW419262, M77974, AI282832, AI370074, AW270270, AA719292, AW410400, AA572713, AA579366, AL119984, AI559705, AA533333, AA908687, AA533036, AA523837, AI580652, AI376100, AI921649, AI890348, AA483223, AI471543, AI053606, AI745325, AI640409, AA631507, AW276817, AI613280, AA515909, N53150, AI608771, AA613203, AI754955, AA531372, AA665021, AI370094, AA349854, T41259, AI564284, AW023672, AA828704, AA502104, AI537955, AI345654, AI538433, AI568678, AA488395, AL048626, AI251436, AW302903, AW302909, AA584082, AI017415, AI538852, AA583955, AA513850, AL119649, AW276827, AL120483, AI370977, AA584145, AA079462, AI061334, AA679514, AA630362, AW072923, AA470969, AA947360, AW302013, AW088202, AA522942, AA714453, AA683258, AI792287, AA781975, AW069769, AA558656, N76673, AI912322, AC000353, AC005332, AC005295, AC004929, U91321, AC008115, AF053356, AC006312, AF045555, AC002565, AC007225, AC007226, AC005529, AC003007, AC005057, AC002476, AL121603, AP000112, AC005072, AL109802, AC007191, AC002045, U63721, AC005696, AL049776, AL121655, U78027, AC007151, AP000045, AP000113, AC007666, AC005412, AC002470, Z98044, AC006449, AC004967, AF038458, Z99716, AL049712, AL022165, AC004167, AC006480, AC004099, U95742, AL031311, AC005089, AC007685, AC006111, AF006752, AL132712, AC005911, U47924, Z97054, AC005015, AL096701, AC005291, AC006130,</p> |
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| HCWHJ75 | 1316 | 786019 | 1 - 398 | 15 - 412 | AI358229, AI368745, AI570261, AL046409, AL138265, AI133164, AI334443, AW265385, AI679782, AI963720, AW406755, AI284640, AI370074, AW088846, AA610491, AA491814, AL043719, AI370094, AW088616, AA482711, AA720702, AW419262, AA581903, AW303196, AW327868, AI754955, AL044858, AW193265, AW274349, AW301350, AL119691, AI350211, AI431303, AA469451, AI457397, AI962050, AI061334, AA680243, AI110770, AI888518, AL042753, AI200051, AI281881, AW265393, AW162049, AI270117, AI929531, AA847499, AI792287, AW166815, AI860020, AI365988, AW085780, AI053672, AW276827, AW023672, AI567674, AW302013, AW104748, AL038785, AI339850, AI610159, AA587604, AI610920, AA831375, AL038474, AW103758, AL138455, AI708009, AW080134, AI801482, AI561060, F29989, AI345681, AI376100, AW069227, AA503258, AI921649, AW338086, AI865905, AI613280, AW410400, AI619997, AI754658, AW129001, AW439558, AI421841, AA713815, AI814735, AW438643, AI537955, AI697208, AI745325, AI345654, AA523843, AI246119, AA665330, AI890348, AA490183, AI904894, AI732120, AI471481, AW269488, |

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| AA521323, AI358343, AA747276, AI783494, AA984708, AI355206, AA503015, N27584, AL044940, AW261871, AI696793, AI801600, AI471572, AA526787, AI251436, AI669453, AI499503, AA584752, AI623720, AI298710, AW079135, AL048925, AW072923, AA521399, AW408717, AI568678, AI085719, AI143242, AL079645, C05986, AA584201, AI890923, AI053790, U51696, AI718446, AI755214, AI917271, AI251002, AI357551, AI951889, AA877817, AI379719, AI289067, AI799642, AW062724, AW265009, AL037683, AI821271, AW020992, AI469968, AI299050, AI754567, AA491284, AA669840, AL042420, AI610376, AI733856, AA623002, AI951928, AI357288, AA846876, AI754105, AI341664, AI859742, AW070892, AI344844, AI956131, AI890918, AI623696, AA806796, AI571512, AL046205, AI341548, AL046898, AA714453, AL040130, AI307608, AI885572, AI634187, AI688846, AL041690, AW088202, C05755, AI589230, AW339687, AI919265, N35896, AW304584, W79504, AW193432, AA661948, AL037850, AA525190, AA513141, AI679045, AI307201, AA164251, AW089322, AA630362, AA468022, AW271904, AA908687, AI370878, AW072587, H71429, AA584148, AA613227, AI133102, AA493708, AI564185, AI475569, AW276817, AI375710, AA768905, AI039790, AA653618, AI434695, AI286356, AI340453, AF060568, AC001234, AL109758, AF038458, AL096701, S75201, AC007919, AL078581, AF015160, AF134726, AC004650, AF015148, AL035552, D83989, I51997, AF015167, U12584, U12580, AC007934, AL031670, X54180, AF015151, U57007, AI122003, U02531, AC007051, AF015156, AL132712, AC005484, AP000503, U18395, AF015158, AF077058, M37551, AP000114, AF015152, U66059, AR036572, U91328, U18396, AL022721, AL121652, AC003029, U18393, AF015149, U12582, AC005907, AC005529, AL021937, AL136295, U57009, U18394, U11309, AL031286, AC007786, Z84814, U66060, X55925, AC004884, AF015157, Z94801, U02532, X55926, X53550, AL132800, AC005535, X75335, U57005, U67221, AC005696, AC008101, U57006, AL031681, U18398, AC002463, AC006548, U18392, AC016830, AL031584, X74558, AC007298, AC005215, AL031777, AL049552, X54175, AL031228, AP000513, AC004895, AC007043, AC004832, AC006277, AL021155, AP000497, X54181, AP000557, X54178, AL035587, AL022147, AL117258, AC006138, AL121694, AC007731, AL035072, AC005500, U75931, AF001552, X55924, AL035413, AC005523, AF015166, AF015153, AF001549, AF015147, U57004, AC004945, AC005768, AC006450, AC002038, AL050318, U18399, X54176, Z83840, AC005406, X54177, AC006120, Y18000, AC006480, AL049829, U18387, AC000353, AC004975, AC006026, U03115, Z95116, AL078463, AL023882, AC004408, U57008, X55932, AL133371, AC006205, AL008728, U80017, L78833, AC005632, Z49816, AL008718, AP000244, AC005482, AL024509, X55931, AL035411, AC005291, AC004019, AC002531, AC005387, AL031054, AL110502, AC005548, AC004963, AC004491, AC006292, AC005839, AC004637, AC007326, U47924, AC004381, AL049766, M87919, AC004638, AC022517, AF015170, AC002430, AC007488, AC007510, Z97183, AC007193, AF121781, AL023284, AB023052, AP000359, AC004799, AC006203, AF190465, AC007384, AC004152, AC005046, AC007514, AC004592, AL022323, | | | | | |
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| | | | | | AC002476, AL121603, U18390, Z22650, S56773, AC004940, AL049562, AL049845, U95742, AL034420, AL031432, AC005722, AC002452, AP001053, AC004987, X54179, AC000118, AC006285, AC006512, AC002994, AC005007, AC005031, Z86090, AC005245, AC018769, AL008726, AC004857, AP000238, AL021397, Z98046, AP000459, AC000159, L35531, AL049745, AC007216, U50871, AC004000, AP000143, Z97181, AP000692, AC010722, AC005699, U91326, AL031224, AC004941, AC006001, AC006251, AC006486, AF031078, AP000134, AP000212, AP000030, AL049544, AL008709, Z74696, AC007099, AC002041, AC005563, and AL021977. |
| HCWHJ91 | 1317 | 674157 | 1 - 400 | 15 - 414 | AC005605, AC004908, and AC005604. |
| HCWHL11 | 1318 | 967057 | 1 - 403 | 15 - 417 | |
| HCWHL36 | 1319 | 465250 | 1 - 481 | 15 - 495 | W72636, and AA737484. |
| HCWHL42 | 1320 | 959894 | 1 - 422 | 15 - 436 | AI280574, AI554725, AI436330, AA477517, AA533054, AA213590, AW150387, AA659832, AL040374, T78072, AA663074, AI049931, AC008127, AC013417, AC005726, AC005488, AP000008, AP000704, AC006486, AL022329, AL133396, AF031078, AC006014, AF030876, U73167, U90094, AL008635, AC005924, AL031255, AL035697, AL109758, AC004477, AC007687, Z97053, AC004797, AL031597, AC003665, AC005873, Z92546, Z83844, AL031284, AC002301, AC007899, AL121654, AL133448, AC000035, AC005383, AC003962, AC000044, AL035079, AC005237, AC000034, AC004448, AP000353, AC002425, AC006143, Z82190, AL135783, Z84572, AC008055, AF205588, AC002352, AC004813, AF179633, AL022326, and AC005529. |
| HCWHL73 | 1321 | 960097 | 1 - 539 | 15 - 553 | AA219247. |
| HCWHL89 | 1322 | 754087 | 1 - 127 | 15 - 141 | |
| HCWHN05 | 1323 | 849885 | 1 - 363 | 15 - 377 | |
| HCWHN28 | 1324 | 529654 | 1 - 318 | 15 - 332 | |
| HCWHO38 | 1325 | 573533 | 1 - 413 | 15 - 427 | |
| HCWHO45 | 1326 | 717807 | 1 - 436 | 15 - 450 | |
| HCWHO78 | 1327 | 960180 | 1 - 337 | 15 - 351 | |
| HCWHO93 | 1328 | 924109 | 1 - 381 | 15 - 395 | AL121852. |
| HCWHP06 | 1329 | 935483 | 1 - 288 | 15 - 302 | AA729468, R10107, W89152, AA383903, W88647, AI910620, AI241829, AA348884, AI473501, AI538106, N77986, W67486, AW198103, H54411, AA320684, N73349, W67485, AI352089, H67251, R99079, AI362519, AA054355, AA583390, AI654404, AA831624, H71523, T83076, R09897, AI149238, AA767864, T95920, AI032114, AI061577, AA045892, AA491889, R34073, AI884375, AI267544, AA515929, W87421, AA297443, AA077228, AI472070, AI479070, AI287788, AA831638, AI824558, AA655007, H12182, AI004220, AA100325, AI275725, AA651647, AW338697, F07225, AI523875, H75392, T89763, AI808173, AI125633, AA582060, AA745570, AA311509, AA669734, AI559178, AA547979, AW051628, AA176125, AA363250, |

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| | | | | | AA348602, W96277, AA020873, AA193241, AA702222, AA701593, AA451720, AI912614, AW247389, AW131101, H65880, AI034370, AA404276, AA744496, R02526, AI889452, AC006430, U07562, AC003010, AF030453, Z83822, AF196970, AC006463, AC006117, AC002126, AC006071, AC005600, Z83840, AC006312, AC005544, Z95116, AC005081, AL021155, AC004197, AL035659, AP000692, AC005088, AC004143, AB003151, AC006277, AC006474, AC005768, AC006213, AL109758, AL021878, AC005355, AC004408, AC002470, AL031587, AC002565, AL096791, Z93017, AP000695, AC005095, AL117354, AC006137, AL031983, AL121658, AC007308, AF190631, AC004196, AC004560, AC005183, Z93023, AL023553, AC013417, AC007656, AL135783, AC005015, AF111169, AC022517, AP000696, AC004821, AL122023, AC005932, Z68162, Z73900, AB015355, AF001548, AC004587, AC005102, AC004890, AC006987, Z98304, AC005911, AC008039, AC005291, U96409, U91321, U62293, U63721, AC002477, AP000689, AL078477, AC005730, AF127034, AL121653, AC004671, AL049760, AC006039, AF129756, AL031729, AC004832, AL096701, AD001527, AL035683, AC005529, AP000247, AB016243, AC005057, AL049709, AC005067, AL023807, AL109952, AL049872, AC005821, AC005367, AF045555, AC005519, AL031311, AC003003, AC002350, AF064477, AP000130, AP000208, AC003695, AP000688, AC007993, K03556, M15365, AL022328, AC000003, AL035457, AL133382, Z46773, AC007327, AC004491, AC004534, AC004854, AP000503, AP000099, AP000704, AP000338, Z98950, AC002349, AL137100, AC004967, AC004991, AC005288, AC012384, AC002454, AC005023, AL135745, AC005356, AF070718, AP000556, AP000557, AP000216, AF009251, AC003104, AL031296, AC002542, AC004876, AC004217, AC006077, AC003663, U09367, AC006948, AF111168, AP000313, M33320, AP000036, AC002097, AL022728, AF072711, and AC005782. |
| HCWHP25 | 1330 | 881285 | 1 - 638 | 15 - 652 | AA203553, AA004349, AA678315, AA507179, R08030, R08080, and AW366361. |
| HCWHP40 | 1331 | 577691 | 1 - 382 | 15 - 396 | |
| HCWHP44 | 1332 | 705392 | 1 - 114 | 15 - 128 | AA702353. |
| HCWHP70 | 1333 | 711476 | 1 - 300 | 15 - 314 | AC007199. |
| HCWHP74 | 1334 | 598510 | 1 - 423 | 15 - 437 | AI350663, AI016289, AL037105, R59942, AA019396, AP000017, and AP000158. |
| HCWHP84 | 1335 | 849900 | 1 - 441 | 15 - 455 | |
| HCWHQ03 | 1336 | 924187 | 1 - 347 | 15 - 361 | AL110456, and AA326002. |
| HCWHQ31 | 1337 | 574945 | 1 - 416 | 15 - 430 | |
| HCWHQ82 | 1338 | 677186 | 1 - 439 | 15 - 453 | H98124. |
| HCWHR01 | 1339 | 916526 | 1 - 422 | 15 - 436 | |
| HCWHR09 | 1340 | 542336 | 1 - 374 | 15 - 388 | AC005752. |
| HCWHR59 | 1341 | 739293 | 1 - 572 | 15 - 586 | AW207505. |
| HCWHR77 | 1342 | 729850 | 1 - 331 | 15 - 345 | |
| HCWHR81 | 1343 | 935419 | 1 - 359 | 15 - 373 | |

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| HCWHS13 | 1344 | 657230 | 1 - 256 | 15 - 270 | AI368745, N43757, AA593060, AA658093, AI547286, AW088202, AA365347, AA501600, AW080134, M86058, C18360, C18357, AA450199, AA344959, AA513999, AA658235, AI921649, N71557, AA377730, AI376100, AI372413, AW074059, AI356904, AI564284, AA723017, AA856981, AA653964, F29989, AL042213, AA634855, C19058, AA828680, AA338642, AA713815, AI079667, AI205126, AA594725, AA301813, AI453383, AI889781, AI929531, AA828704, C17838, AI679782, AL120674, AW162049, AW020340, AA715362, AA384502, AL119391, AI216799, AA502103, AA634227, AA482711, AI962050, AI956124, AA229785, AI251002, U51696, AI567674, AA025083, AA515051, AW029038, AW023672, AA642060, AW166815, AW265294, AW131034, AI358229, AI904894, N53150, AA635368, AA310158, AI917271, AA826303, AA428414, AI339850, AI064952, F31204, AI921673, AA829106, AA297744, AI133636, AI608626, AI890923, AA503947, AL138265, AW406755, AA669416, AA365571, AL038785, F37286, AI365988, AW440836, AI821028, AI821279, AA228471, AA419263, AA581903, AA886584, AI469003, AW339687, AI922840, AA469451, AA318652, AI635272, AI886365, AI744188, AI890928, AI250284, AI049722, AI537955, AA515128, AI890570, AA804828, AI017024, AA584201, AA350859, C06458, AI446464, AA551509, AA483068, AI918421, AA486680, AA484059, W60516, T49751, AA345333, AI625244, AW173651, AI610159, AL041368, AI418391, AI282832, AA302308, AA649642, AA598824, AW338500, T28550, AA085124, AA493768, AA372478, AI193007, F36273, AA320748, AI357551, AI343137, AL042853, AW084253, AI284640, AA515435, AL041412, AW440976, AI940546, AW339568, AI859742, AW236342, AA362395, AA626678, AW175641, W07032, AA320113, AI963600, AA465321, AI143242, AA663634, F28576, AA639250, N66026, T29180, AL039309, AI298710, AA558697, AI305547, AI569086, AI922654, AW169151, AA558857, F23274, AA309841, F34826, AI471487, AA364456, AF039185, AI053672, AW406659, AW419118, AA669251, AA148489, AI471487, AA364456, AF039185, AI053672, AW406659, AA634146, AA127191, AL046409, AA502963, AI064864, AA503284, AI471481, AA678616, H78195, AL133723, AI471572, AA177061, AW410400, AP000311, AC007628, AP000049, AL031846, AC002067, AP001040, AP000152, U14718, AC004853, AC005565, AC004592, U14719, AF017257, AC005866, U14715, U14717, AL121603, AL031782, Z86062, AL049830, AL133246, U14716, U14713, U14711, U14712, U14698, AC008055, AF111168, AC006241, AC010197, AC002410, AC004647, AJ229042, AC006597, AL031655, AC004796, AC002073, AC005291, AL078603, Z99755, AP000193, AP000497, AC006511, AC002432, U14706, AC004150, AC002542, Z86061, AC003002, Z99916, AL109941, AP000117, AP000354, AP000954, AC005589, AF015160, AC005221, AC003084, AC005166, AC007077, AC004804, M62424, AR025392, X13794, AC005099, AC007536, AF064863, AP000116, AP000011, AC003985, AC008126, AC004771, AC006221, S75337, AC007870, AC004981, AC007392, AC005888, AC004949, AL021918, AL132718, AC006384, AC007385, AL049613, AC002485, U95740, AC006561, AL021940, AC004638, AL109799, AC002124, AP001172, AP000519, |
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| | | | | | AB023056, AL031120, AC004750, L29292, AC004741, AC004915, AC004408, AP000230, AP000144, AC004677, AF126403, AF015163, AC006972, AL031427, AC003101, AL049642, AL021878, AC007320, AC004941, AF165926, AL096771, AL023877, AC003001, AF131217, Z68328, AC004066, AC004027, AP000050, X67277, AC002302, AP000359, AC004808, Z84719, U47924, AF109076, AC004785, AC003088, AC007285, AC005619, AL109984, Z74696, AC005154, AF015167, Z92540, AL034549, AB019438, AF015171, AP000566, AL031653, AF109907, AC000392, Z82203, AL009177, AL132987, A91686, AC004662, AC005207, AL031733, AL049633, AP000958, AL121694, AC002492, AC009731, AL121652, AF029308, AC005156, AP000352, AC006518, AC004168, AC005944, AF015170, AL049777, AC005593, AC007317, AL022163, AF045555, AC004837, AC005081, AC005040, AL135746, AC005694, AF067844, AC004593, AC005144, AC002462, Z98941, AC005399, AC007687, AC004019, AF030876, Z97196, U14701, U14695, U14705, AL031905, AL031121, AC002456, Z73986, AC007319, AC005194, AC004542, AC007684, U14691, U14699, U14685, U14686, U14690, U14710, AL023281, AL050305, AC009263, Y18000, AP000966, AP000695, AC006374, AL133355, AP000555, AC006312, AC005599, AL035417, AC004884, AC004712, AB020868, AL022395, AC002350, AC005041, AC006480, AP000350, AC000062, AP000356, Z95113, AL033381, AF015162, AC007228, Z68881, AC005703, AC004228, AL049589, AL035427, AC005046, AC005043, AP000014, AC004760, U12583, AC003015, Z84470, AC005251, AC005412, AC007917, AL008706, AC005722, AC007114, AC005484, AC003998, AC006512, and AL033525. |
| HCWHS28 | 1345 | 675051 | 1 - 309 | 15 - 323 | |
| HCWHS77 | 1346 | 861875 | 1 - 337 | 15 - 351 | AC004854. |
| HCWHT50 | 1347 | 527542 | 1 - 475 | 15 - 489 | |
| HCWHT56 | 1348 | 849979 | 1 - 353 | 15 - 367 | |
| HCWHT59 | 1349 | 924105 | 1 - 320 | 15 - 334 | AC004542, AL049694, AC006112, AL121694, and Z84474. |
| HCWHU22 | 1350 | 849878 | 1 - 330 | 15 - 344 | AB033063, and AR065869. |
| HCWHU30 | 1351 | 974485 | 1 - 392 | 15 - 406 | N88601, N84855, AA095359, H58760, AA096046, N89520, N83168, AA247964, N83992, AA247827, N83991, N88782, N84048, AA093224, AA096066, AA095641, N84830, N84718, N86694, N87989, AA471338, N55698, N84712, N83993, N85518, N84829, N88496, N87898, AF102850, AF039698, AR066487, AF103726, S78798, U48696, AF045432, U39066, AF032922, and AJ243486. |
| HCWHU47 | 1352 | 720340 | 1 - 306 | 15 - 320 | AI075000, AL049869, AL109623, AC005680, AC004685, AC005233, AC004014, AC000097, AC006547, AC005187, AC007021, and AL035665. |
| HCWHU52 | 1353 | 726054 | 1 - 163 | 15 - 177 | |
| HCWHU54 | 1354 | 727314 | 1 - 131 | 15 - 145 | |
| HCWHU58 | 1355 | 736052 | 1 - 309 | 15 - 323 | |
| HCWHV11 | 1356 | 964996 | 1 - 254 | 15 - 268 | AW243834, AI014798, AI332671, AIS90042, and AI679747. |

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| HCWHV18 | 1357 | 466511 | 1 - 329 | 15 - 343 | T80701, and AL034551. R86114, AL383589, R56101, AL801563, AL500151, AL866422, AL547110, AA338474, AL754257, AL580480, AL744817, AL044701, AA862218, AL553670, AA586474, R26871, AL797998, AA633804, AW265468, AL002786, N52274, AL446424, AA493808, AL057560, AL445699, AL631299, AW021674, R22196, AW082556, AL702049, AW148821, AW410844, AL022329, AC005037, AL034343, AL049776, AC005914, AC002470, AC005666, AC002369, AC005874, AL134471, AL021939, AL109865, AL034420, AL031287, AC006130, AC007051, AC007919, AC005537, AL109628, AL078638, AC009241, AC006013, AL009179, AC005776, Z95114, AC004139, AL034371, Z97181, Z85987, AC005747, AC007358, AC002310, AL034351, AC005562, AC012085, AL009181, AC004963, AC007376, AC004996, AC006237, AC006006, AF111169, AC006539, Z75887, Z94802, AC007541, AL133448, AL133163, AL132641, AL021918, AC004859, AL008710, AC006966, AC004812, AP000402, Z83822, AC006014, AL121756, AF031078, AC005701, AL121652, D87675, AL035425, AL035461, AL121603, AF030876, AL031767, AL035249, U78027, AC002352, AL009172, AP001054, AL135744, AC005503, AC000372, AL035422, AL003147, AC004675, AC005763, AC005361, Z99570, AC002477, AC004525, AC003042, AC006511, AL031584, AL021808, AF088219, AC005921, AC004099, AC007533, AC002395, Z69890, AC004686, AL049839, AC005602, AC000088, AC003965, AC005488, AC000071, AC004517, AC004858, AC005082, AC002559, AC004079, AP000501, Z82901, AC006455, AC005969, AL132992, AF165926, AC000405, AC004854, AL109963, AL034423, AL031575, AL050306, AL022476, AC005004, AC002429, AP000289, Z99714, Z98950, AC004900, AP000042, AP000110, AL020997, AL080243, AP000142, AL022328, AC003109, AL049636, Z93241, AC012627, AF109907, AL049759, AL022302, AC007666, AC002544, AC006977, AF190465, AL031311, AC005759, AC004223, M97911, AL139054, AC006468, AC002476, AC004913, AC005221, AC005225, AC004815, AC004924, AL049569, AL049713, AP000347, AL022576, AC004857, AL035587, AP000694, AC020663, AC004583, AC005067, AC009516, Z97183, AC000052, AL031985, AB023048, AC005233, AC007686, AP000346, AC006023, AF047825, AL021407, AC006948, AL079303, AC002094, AL117352, AC002542, AF197228, AC004887, AC005695, AC007537, AC005746, AC005291, U85195, AC005015, AF111167, AC010722, AC004797, U91326, AC004148, AC005355, and AC004453. |
| HCWHV28 | 1358 | 686710 | 1 - 522 | 15 - 536 | |
| HCWHV33 | 1359 | 702437 | 1 - 243 | 15 - 257 | |
| HCWHV41 | 1360 | 960157 | 1 - 331 | 15 - 345 | |
| | | | | | |
| HCWHV61 | 1361 | 849983 | 1 - 410 | 15 - 424 | AA059296. |
| HCWHV64 | 1362 | 770049 | 1 - 407 | 15 - 421 | |
| HCWHV66 | 1363 | 923527 | 1 - 505 | 15 - 519 | |
| HCWHV71 | 1364 | 917274 | 1 - 489 | 15 - 503 | |
| HCWHV94 | 1365 | 953379 | 1 - 360 | 15 - 374 | |

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| HCWHW32 | 1366 | 861905 | 1 - 546 | 15 - 560 | AA629679, AF1111168, AF207550, AP000501, and AF1111167. |
| HCWHW38 | 1367 | 722213 | 1 - 286 | 15 - 300 | |
| HCWHW83 | 1368 | 841937 | 1 - 558 | 15 - 572 | AW023111, AA533054, AL048002, AL281818, H71678, AW150387, AW151247, AA069729, AL791659, AA515728, AW237905, H69523, AA706495, AL742168, AA315361, AA772906, H29914, AL446259, AL192440, AW245354, AA984920, AA601728, AA584756, AA284247, AW104163, AL040374, AW265688, AA837035, AL310464, AL821931, AP000210, AP000132, AP000248, AC003962, AC010170, AL049589, AP000030, AL133246, U91321, AC004966, AC004938, AL035400, AC005921, AC007308, AL031447, AP000503, AC006515, AL080317, AC000353, AL096791, U95090, AF134726, AL035071, AL035405, AC007052, AC009516, AL021546, AC006965, AL003147, AC006312, AC003684, AL117258, AC005318, AL021069, AC004797, AB000882, AC005046, AF047825, Z83826, AL008730, AC007546, AC006581, AF001548, AC004764, AC006468, AF129756, AC004890, AP000512, AC005231, AC004605, AP000692, AC002310, AC007690, AL031427, AC006480, AL031668, AF001550, AF109907, AL022322, AP000557, AL022171, AC004881, AL117694, AP000038, AC002404, AC005086, AL024498, AC004156, AL035089, AC004882, AC003108, Z83308, AC005529, U52112, AC008040, AC006455, AL031428, Z85987, AP000350, AF064861, Z98946, U50871, Z82189, AL035681, Z82215, AC005527, AC008055, AC006285, AL008729, AL022318, AC016025, AC005288, AC005666, AP000311, AC020663, AL109627, AC008372, AC002477, AC005722, AC003038, AC007057, AL049872, AL096766, AP000558, AC006130, AL133243, AC005907, AC005513, AC005914, AC005015, U47924, AC004686, AL031255, AC004000, AL049775, AC004228, AC004253, AF117829, AC006023, Z82201, AC005736, AC006571, X55448, AL024507, AC006080, AF155238, AL049843, AC006449, AC004525, AL049780, AC004796, AC004656, AC007450, AD000812, AP000049, AL049694, AP000553, AC006262, AP000251, AC004143, Y10196, AC005971, AC005777, AL023575, AL132642, AP000113, AP000045, AL021707, AL050305, AC006441, AC005180, AC007172, AL035683, AL021808, AP000212, AP000134, AC002375, AC004601, L44140, AC004585, AC004832, AC007376, AL021807, AC002126, AC005684, AP000355, AL035079, AC004491, AC007999, AL034548, AC004887, AL034420, AF139813, AC005220, AP000208, AC006121, AL096701, AC006111, AC002301, U52111, AC006208, AC004131, AL021155, AP000247, AC004662, AC007536, AC006317, AL031588, AC005839, AC007537, AC004883, AC004263, AL049869, AC005070, AL022313, AL035086, Z97876, Z97353, AC007055, AC005516, AC005412, AL035420, AC002045, AP000359, Z95114, U95740, AC005229, Z83838, Z85986, AC005740, AC003042, AC005632, AC007292, AC007226, AC006271, AL035684, AL031311, AC005484, U91326, AC004125, AL022476, AL031663, Z93241, AC005874, AF134471, AL031133, AL049636, AC005899, AC007541, AC007845, AB026898, AL035697, AC007242, and AP000688. |
| HCWHX08 | 1369 | 959456 | 1 - 439 | 15 - 453 | AA605123, AL963720, AL251436, F18638, AA482711, AL061334, AL352078, AL344844, AA493219, AL355206, AL962050, AA843450, AL921649, N43757, AA829106, AL624698, |

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| AA489775, C06327, AA828704, AA581903, AW023672, AA502103, AA665330, AI860020, AA226305, N54894, F30933, AI017415, AA503015, AL138265, AI376100, AL042853, AW242109, AW303196, AW274349, AI053623, AI956124, AA661948, C05755, AA621704, AW301350, AA468022, AI904894, AI564284, AA348929, AA338486, AI284640, AL043719, AI453383, AA310158, AI567076, AW074059, AA369477, AI356904, AI305766, AI431303, AI151261, AI732120, AI061296, AA483771, AI547286, AW193265, H13757, AA826303, AA714453, AW247819, AI619997, AI053489, AA542991, AW080134, AI890928, AA810318, AA525824, AW021747, N25303, AW276817, AL037554, AA252763, AA302963, F25867, T90692, AA649642, AI434311, AI061143, H78195, AA132833, AA603445, AA069118, AW193432, AI688846, AW102849, U57007, AF015160, AF015153, A39972, AF015155, AF165926, Z30979, AF015167, AF015148, AC005081, AL023879, AF090940, AC009247, AC006350, AC007216, AC000081, AC004887, AP000248, AC006057, AF068862, U12580, AC007735, AC005944, AL121658, AC006077, AC004647, AC004150, U18396, AC006547, AC004895, AC004797, AF015166, AI246003, AC002378, AP000553, AC002425, AC004678, AC002544, AF015170, AL080243, AC006538, AC006019, AF196779, AF015158, AC010206, AB023049, U18395, AC002115, AC004812, AC006312, AL031846, U73634, AC006571, AC004668, X55926, U18398, AC004913, AL121655, AL022721, AC005004, AD001527, AC011311, AF069508, AC006040, L35531, AL021546, Z69921, AC016025, AL133245, AC004903, AF017257, U57009, U91326, AF024533, AF114156, AC005231, U95742, AC006449, AL132992, U47924, AP001052, AC005037, AC006111, AC006254, AC003104, U57005, AL135744, AC005280, AL121603, AC020663, U85195, AC009516, AL022326, AF109907, U67234, AF015162, AL050321, AL023494, AC002391, AL034549, AC005412, AC006241, AC006486, AC007546, AL022329, AL023553, U18394, AL133246, AP000517, U12582, AL049757, AF088219, AC005212, AL035659, AE000658, AL031685, AL109627, AL035587, X54180, U18391, X55925, X54176, AC002310, AC003041, AC007676, AL031650, AC006285, AC004771, AL031281, AC006251, AC002369, AC006088, AL049776, Z95114, AC007536, AL022320, Z74739, AF045555, AP000359, AC005520, AD000092, AC007666, AC006511, AC004612, AC004972, AC005041, AC005696, AL034420, M89651, AC016831, AC002543, AC008040, AL022302, Z93241, AC004033, AF049895, AF015171, AC006480, AC004448, AC008984, AC006600, AL035422, AC007114, Z83840, AP000512, AP000698, AB001523, Z82190, AL139054, U18392, AC005940, AC005736, AL049759, AP001059, AL109984, AL031594, AC002072, AC004019, AB023054, AC005821, Z97630, AC007014, AC007066, AF107885, AP000513, AP001040, AC006512, AF134726, AC006042, AC006132, AC004263, AC004230, AC005154, Z49235, AL021528, AC005618, AC003962, AC005015, AP000555, U78027, AC005544, Z98050, AC005600, AC005500, AC007243, Z98950, AC002470, AC004673, D84394, AC006539, AC007421, AC003110, AC005722, U80017, AF038458, X54181, X54178, AL031577, U18393, AL096701, AC009509, AC006948, AC006252, Y10196, AC005911, | | | | |
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| | | | | | | AC005375, AL031720, AC002091, AL035448, AC004638, AC003101, L35668, Z86090, AC016026, AL022323, AP000557, AL031255, AC002073, AC004890, AC005612, AC005488, and AC007055. |
| HCWHX09 | 1370 | 625596 | 1 - 339 | | 15 - 353 | |
| HCWHX72 | 1371 | 849884 | 1 - 351 | | 15 - 365 | T59825. |
| HCWHX91 | 1372 | 723178 | 1 - 286 | | 15 - 300 | |
| HCWHX95 | 1373 | 736004 | 1 - 260 | | 15 - 274 | |
| HCWHZ18 | 1374 | 666452 | 1 - 329 | | 15 - 343 | AI268099, and AI702282. |
| HCWHZ51 | 1375 | 725682 | 1 - 317 | | 15 - 331 | |
| HCWHZ59 | 1376 | 739294 | 1 - 321 | | 15 - 335 | AI525565, AL039783, and AA758552. |
| HCWHZ83 | 1377 | 781186 | 1 - 128 | | 15 - 142 | |
| HCWHZ89 | 1378 | 668670 | 1 - 144 | | 15 - 158 | |
| HCWKA13 | 1379 | 494088 | 1 - 569 | | 15 - 583 | |
| HCWKA21 | 1380 | 670897 | 1 - 254 | | 15 - 268 | AI526203, AI541570, V00116, AF162506, AF162502, AF162504, AF162499, AF162503, AF162505, AF162501, and AF162500. |
| HCWKA28 | 1381 | 466763 | 1 - 407 | | 15 - 421 | AA484648, AA503002, T61555, AP000256, AP000098, U36478, AP000155, AP000014, U91326, AL031659, AC002544, and AC007546. |
| HCWKA79 | 1382 | 574911 | 1 - 505 | | 15 - 519 | AC002040. |
| HCWKA96 | 1383 | 963621 | 1 - 342 | | 15 - 356 | AW183906, AI457975, and AA782016. |
| HCWKB04 | 1384 | 676904 | 1 - 428 | | 15 - 442 | AI299828, N51706, AA936483, R36572, R24933, AI299043, F05240, AI567908, H92474, N51794, AA806500, AA878245, AA482890, AA845639, and AF131763. |
| HCWKB10 | 1385 | 964570 | 1 - 396 | | 15 - 410 | AC004139. |
| HCWKC83 | 1386 | 496385 | 1 - 138 | | 15 - 152 | |
| HCWKD34 | 1387 | 706520 | 1 - 362 | | 15 - 376 | |
| HCWKF08 | 1388 | 959388 | 1 - 290 | | 15 - 304 | |
| HCWKF28 | 1389 | 686655 | 1 - 327 | | 15 - 341 | AI732327, AW327673, AI872229, AA493464, AI754257, AI521019, AI002950, AA132929, AW419201, AI890297, AW338376, AA171400, AW157128, AA218684, AA557945, AI828721, AI572680, AA493546, AI826857, AW243817, AA661583, AI434103, AA584360, AA425283, AI571094, AL039117, AA084320, N26159, AI270280, AA600127, AA570243, AI754926, T34066, N99245, AW085751, W45215, AA557508, AA629668, AA167656, AA807704, T10218, AA601376, AA489390, AI348780, AI520984, AW029626, AI744890, AA430214, AA493245, AA610245, AW020612, AI568262, AI567676, AI732720, AA152398, AA640305, AI889177, AI925588, AI888050, AW129188, AA455202, AI570067, AI275989, AW162762, AA569220, AA535558, R61887, AI734158, AI343986, AI821605, AA287823, R33588, AI609972, AA369465, AA834891, AI620666, AI125143, AI300608, R54095, AW008217, AA340581, AI433952, AW105729, H05066, AA342029, AI086603, AI734193, AA315052, D29424, AA524604. |

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| AA969776, AC005516, AL050129, AL050338, AP000116, AC006141, AP000036, AP000099, AL109854, M87914, U73630, AC006511, AC005041, AC002316, Z49154, AL080250, AL135744, AC005531, AC000090, Z98051, L47222, Z97876, AC004098, Z69705, AC004491, AP000095, AP000088, AF207550, AP000115, AL132987, AC004943, AC004673, AP000308, AB001523, AC004754, AL035460, AL031864, AC005015, AC008044, U91327, U71148, AC005412, AC004792, AC005358, AP000048, AL133353, AP000113, AP000045, AC005740, AL022238, AL022149, AC004552, AL109952, AL023803, AC005776, AF064859, AC005180, AF124523, AC004675, AF196779, AL096703, AC007386, AF088219, AC005228, AF134726, AC005102, U91328, AF196971, AC004409, AJ251973, AP000250, AL031588, AL031602, AL096791, AF191071, AL022326, AC004019, AP000030, AC009516, AC010205, AP000354, AC002350, Z98941, AL031311, AP000141, AL139054, AC004000, L47225, AC005519, AC007686, AC004802, AC006013, Z82190, AP000251, AC003982, AR036572, AL020993, AL049694, AL031133, AC004448, AC004967, AC008009, AL031291, AP000557, AC002465, AC005323, AL022165, AC000353, Z83308, AC005921, AC006157, AL033527, AC007401, AP000348, AL031003, AL096776, AC005325, U18270, AC003106, AC002470, Z93017, L78810, AF064858, AL117330, AL031667, AL031680, AP000692, X04981, AC005355, AL022721, AC005670, AC002563, AC003029, U95742, AC005484, AC005837, AC004148, AC004985, M87909, AL035086, AP000133, AP000211, AJ009610, X56997, AC009248, AL024507, AC006050, AL109627, AP001060, AC006162, AC005369, AC002477, AC005908, AC005911, D87675, AC005086, AC005913, AD000812, AC006014, AC007216, AP000466, AC016831, U62317, AP000563, X71874, AL020997, AL109985, AB000931, AC002551, AC005695, AC005856, AC001228, AL008582, AL049646, AC005546, AC006139, AC006323, AC005512, AC003072, AC009247, AC004585, Z98752, AC020663, AC006236, AC005859, Z93241, AC004611, AC006312, AC003108, AC005730, AL096712, AC005253, AC004526, AP001054, AC005257, AL035423, AL050341, Z98750, D16517, AC005377, AL078477, AC006315, AC004655, AC006487, AC006449, AC006121, Z93848, AC003013, AF106656, AC005581, AC000094, U78027, AJ003147, Z93783, AC012627, AC004686, AC006441, AC004263, AC004887, AP000263, L05367, AL121653, AP000359, AL008731, AC002314, AC004999, Z95704, AC004816, AC005768, AC005759, AL034548, AC007676, AC004883, AC002404, AL109984, AC004890, AC004973, AP000280, AC005562, AC007371, AC003110, AC004125, Z99716, AL035658, and AL031255. | | | | | |
| HCWKF29 | 1390 | 779862 | 1 - 193 | 15 - 207 | |
| HCWKGI0 | 1391 | 964577 | 1 - 369 | 15 - 383 | |
| HCWKH08 | 1392 | 959381 | 1 - 452 | 15 - 466 | AL079894, F31575, AA758244, AL040038, AA665475, AA772873, AL049955, AA775205, AA846046, AA704346, AA553513, AA775973, AI933703, AI418232, AI978713, T60316, AI003391, AA828775, T05617, F30586, AI469468, AA587113, AI627917, AA932787, AA719523, AA077886, AA340534, R51882, AA503019, R92248, AA320060, AA558505, C18083, AI453321, |

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|---------|------|--------|---------|----------|--|
| | | | | | AA687561, R92658, T41164, AA128863, AA830615, AA758275, H52638, AI800345, AI798521, AA653713, AA614139, AI285493, AI921765, AA601390, AL138252, T41132, Z99128, AL031685, AL078639, AC005049, AC006344, AC005921, AC002299, AC005838, AC007129, AC006141, AC002430, AC005823, AL096791, AC005520, AC008040, Z83851, AC006396, AF124523, AL031289, AL022398, Z83844, AC005067, AF017104, AC016831, AC005764, AL135959, AL020993, AP000065, Z82172, AL035658, AC006254, AC007842, AL096699, AL021331, AL049539, AJ006997, AC004692, AL034449, AC002352, AC002470, AF112484, AF042834, Z83334, X87373, AF045999, AL035398, U82668, AP000008, AC007880, AP000704, Z82214, AC002402, AL133216, AC000353, AC005274, AC005881, AP000310, Z98272, AC005202, AL031728, AP000116, AC002425, AL031589, AP001068, AC004953, AC002544, AJ011930, AF031075, AC003051, AC002511, AP000250, Z99754, AC004652, AC005787, AP000030, AP000211, AC004585, AC004895, AC005822, AL132642, AC004129, AC006930, AL121603, Z49237, Z97195, AC004050, AL022396, AL031587, AC003666, AC004664, AC003991, Z97196, AL109984, AC004966, AL121653, AC005736, AC009028, AC004887, AC007240, AL049569, AL096768, AP000032, AC004263, AL021707, Z95115, AF001550, AF001549, AF109907, AC008372, AC005332, AP000509, AC003009, AC005971, AL13162, Z84487, AF030876, U62292, AC007766, AC005944, U62293, U63721, AC005057, AL023653, AC004638, L78810, AL117352, AC020663, AL136504, AL133555, AC007130, AC004647, AL031258, AL008726, AL035608, AL031282, AL050307, AC000026, AL035460, AC004967, AC005913, AL009178, AL022721, AC002059, AP000344, and Z99716. |
| HCWKH16 | 1393 | 661898 | 1 - 369 | 15 - 383 | |
| HCWKH25 | 1394 | 678086 | 1 - 295 | 15 - 309 | |
| HCWKH36 | 1395 | 924191 | 1 - 287 | 15 - 301 | |
| HCWKI31 | 1396 | 678375 | 1 - 64 | 15 - 78 | |
| HCWKI77 | 1397 | 920043 | 1 - 445 | 15 - 459 | |
| HCWKI92 | 1398 | 792689 | 1 - 466 | 15 - 480 | AI526025, AI541507, AI557804, AI557719, AI526171, AI557741, AI557764, and V00115. |
| HCWKI23 | 1399 | 934393 | 1 - 464 | 15 - 478 | AL041690, AI471481, AW261871, AA055169, M86143, AA720702, AI903462, AI334435, AA551552, AA594145, AI432270, AA483223, AA559290, AA503600, AW301302, AA503119, AW050498, AI133297, AA747777, AW023990, AA632612, AW406755, AA493708, AI334443, AA992351, AW103509, AI733755, N27329, AA806796, AA828042, AI358229, F29989, AA587667, T41050, AA810269, AA719805, AW083364, AW083402, AA491814, AA326441, AW273218, AI860020, AL119691, AA533303, H78195, AA502107, AI061334, AL042753, AI754336, AI918421, AI002834, AI382614, AA954936, AI801600, AI580652, AA810370, AA577959, F36306, AW062724, AA652057, AA623002, AA834755, AW118338, AL121385, AA503258, AI358812, AW022406, AA478355, AI866856, AI282511, AA496260, AA533725, AA572713, AA573725, AI732179, AA469451, AA503154, AA535661, AI702314, AA644538, AI049634, AW057877, AA483321, AA480784, AA657535, AA610491, AA071393, AA601876, |

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| AA634889, D82290, AA526342, AA714453, AA502104, AA683258, AA640034, AA531079, AI053406, AI053623, AI863054, AA635105, AW193295, AW265385, H46122, AI368256, AA584581, AA581903, AA847499, D82542, AI110688, AA346458, AA653375, AI301700, AI344844, AA934680, T40617, AA568341, AI355206, AA846952, AW075511, AW276710, AA302963, AA779746, AA614070, AI886629, AA468022, AA828749, AI921061, AA302648, AI963720, AI365988, AA652764, AI434706, AA664909, Z78385, AA782272, AA745406, AA601355, AA569471, AI079389, AI951863, AI283911, AL079812, AI924872, H71429, AA577426, AW247819, AA720758, AA487621, AL046457, AA513136, H70994, AI039790, AA834646, AA665021, AA773902, AA533333, AA488746, AA679124, AC005412, U80017, AC020663, AC004098, L78833, AL121603, AF031078, AP000552, AF030876, AC009516, AC002563, X87344, AC007970, AC005031, AP000103, AC002091, AC004216, Z82976, AC013248, AC006132, AL023575, AC005516, AC005901, Z95115, AC005154, AL034555, AC004638, AC005288, AL031257, AC007917, AC007114, AC007051, AP000548, AL096701, U85195, AC006026, AC006539, AL021397, AC004797, AC002549, AL080243, AC003950, X53549, AP000556, AE000658, U66059, AL031682, U34879, AF064861, AC002395, AF010317, AF064863, AP000555, AC006925, AC004159, AL033522, AL109827, AC005696, Z98304, AC005690, AP000557, Z22650, AL132712, Z49769, AL049776, AC004662, AL021977, AF088219, AC008126, AL136297, AC010072, AP000473, AL035458, AL008629, AL122021, AC006581, AC006271, AL121882, Z86090, AC005212, AL049759, U18388, AC007237, AF002223, AL031733, AC005821, AC004854, AL022323, AC003664, AL035420, AC007684, AC004259, AC005740, AL133246, AL021453, L44140, AL031650, AC007877, AC005294, AC004813, AC005531, AC004600, AC005324, AC002377, AL021154, AC005197, Z98051, AC005765, AL117330, U35114, AL049712, AC004887, AF165176, AL050348, AC007687, AC007731, AC004149, AC005911, AC005565, AC006130, AB020859, AL020993, AL096699, AL008627, AC005500, L29074, AC006318, AC008101, AL049833, AC007245, AC006515, AC004485, AL035587, AC000085, AP000952, AC004686, AC006211, AC005914, AL031591, Z68869, AC000052, AC000353, AF121781, AC004019, AP000567, M37551, AC005694, AC007262, AL096791, AC004134, AC004447, AL122020, AC005249, AP000248, AF190465, AJ133269, Z97053, AC000075, AC004637, AL031277, AL020997, AC005664, AL008723, AC005678, AC004975, AC010200, AL031120, AL022328, AC005599, AC002040, AF029308, AC005019, Z97181, AL032821, AC004755, AC005015, U91321, AC007226, AP000193, AL031427, AC005005, AC006571, U78027, AC004675, D87675, AC007052, AP000353, Z70049, AC006064, AC005527, AL034379, AC004913, AP000050, AC005279, AC002350, AL133245, AL021069, AC005280, AL034449, AC005829, AC005924, AL109628, AP000311, AC004764, Z82244, AC007207, AL031118, AL049544, AL035070, AL021155, AC007666, AC006370, AC007421, AL035494, AC005231, U82668, AP000117, AC002558, U14708, AC009286, S70707, AC004029, AC006285, Z75889, AL009174, AL035422, AC000118, AL049742, AC016025, |
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| | | | | | AR000118, AC006123, AC007066, AC005618, AC002306, AC004889, AC005520, AC003101, AP000228, AC004477, AP001037, AC005225, AL121578, AF129756, AC002509, AC004690, AC008249, AC005495, and AC004821. |
| HCWKJ40 | 1400 | 861851 | 1 - 397 | 15 - 411 | T20034, and AL034548. |
| HCWKJ60 | 1401 | 968112 | 1 - 364 | 15 - 378 | |
| HCWKJ96 | 1402 | 571302 | 1 - 291 | 15 - 305 | |
| HCWKM28 | 1403 | 849915 | 1 - 343 | 15 - 357 | |
| HCWKM31 | 1404 | 697974 | 1 - 155 | 15 - 169 | |
| HCWKM58 | 1405 | 849934 | 1 - 393 | 15 - 407 | |
| HCWKM60 | 1406 | 740347 | 1 - 359 | 15 - 373 | |
| HCWKM88 | 1407 | 792086 | 1 - 246 | 15 - 260 | AA535661, F19258, H72666, AJ886176, AI923140, AW157326, N99715, AW021917, AA340003, AI721122, AA501872, AA167741, AI761471, C18648, AI358229, AA584749, AA133986, AW339687, AW088058, AI439360, AI635272, AA366820, AW406447, AA332991, AI281903, AL120483, T12272, N23649, AI305766, AW261871, AW439558, F29989, H00934, T40338, AA652057, AA649642, AA377730, T40617, AI053786, AA581342, AI365988, AL133723, T16592, AA489775, AA365347, AA508080, AI863283, AA125788, AI742271, AW008317, AI567786, AA569284, AI561116, F31204, AI914706, H18175, F18974, AI571512, AW074398, R93061, AI049634, AA515128, AA515435, AI375710, AW193432, AI284640, H60239, F25276, AA558697, AA363260, AW304584, N71724, H92005, F35659, AA483204, AI110822, AI446464, AA669251, AW276827, AA558227, AA016286, F28576, AI282907, AA973575, AI569086, AA441788, AW193265, T29180, AW337985, AA682189, AI079910, AW130799, AI445436, AW023270, AI802526, AI064864, AI890052, AA743956, AI963786, AI613280, AA181718, AA780929, AL118911, AI493546, AL079645, AI344844, F36273, F37286, AI521901, AA309485, AI471481, AA919037, AL048925, AL042856, AW193512, AA095511, AI963095, AI879000, AW270284, AW327360, AA745410, T58118, F36306, AA443065, AI688846, AA344959, Z84480, AJ246003, AL049836, AL121658, AC002429, AC005386, AC009501, AP000292, AF039905, AC004650, AL109653, Z93023, AC002981, AP000111, AP000043, AC018633, AC006030, AC004808, AL035411, AC002386, AL022147, AL009051, AL008629, AC005901, AF222686, AL034384, AC009405, AL035090, AL035671, AC004903, AL031116, AL132708, AC005158, AC003029, AC005723, AL049647, AL117693, AL109759, AF053356, AC007036, AC004485, AC004655, AL121603, AJ011930, AL049745, AC004453, AL031432, AC004738, AC006152, AC004069, AL109854, Z94044, AC008012, Z94056, AC002067, AL031602, AC008115, AC006347, AC004901, AC005341, AJ006345, AC004070, AC004072, AL133321, AC000085, AC007625, AC006071, AC005597, AL022165, AC004382, Z93242, AF111168, AC005280, U91322, AL033375, AC006482, AC007172, AL031542, AC002369, AF123462, AL022318, Z98036, AC011604, AC006046, AC006111, Z93928, AL049834, AC008008, AC007102, AC004458, AC005829, AL118497, AL035427, AC005183, AC007207, AC007743, AC004822, |

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| HCWKMN90 | 1408 | 960177 | 1 - 325 | 15 - 339 | |
| HCWKMN08 | 1409 | 959380 | 1 - 270 | 15 - 284 | |
| HCWKMN57 | 1410 | 861537 | 1 - 398 | 15 - 412 | AA053759, AI452726, AA724782, AI275071, T08298, AA582073, AA953238, AI811302, AA584526, AI147425, AI635247, AI310873, AI345366, AA047715, AI174766, AI921328, N71746, AA758366, AA581329, Z22942, AA654318, AI445088, AA702729, H52562, AA679511, AA741028, AL040170, AI268334, AI268336, C18993, W56883, AA126450, AL138128, AA292178, AW118442, W92132, AW277171, T47909, AA236903, AL036037, T11828, AI913370, AI349849, AW168420, AA683238, AA757775, AI732223, AW128884, AL119691, AW128900, AI732154, AA847181, AW021917, AA857428, AI37952, AL044286, AI590485, AL037383, AA219059, AA487272, AA350349, R02522, AA484373, AI207846, T89952, AA513188, Z22633, AI283456, AA872990, AW021583, AI371429, AA464976, AA454041, T65779, AI094315, AA600869, AI023637, AA136649, AI135377, T61573, AC007036, AC004080, AC004595, AP000301, AP000114, AP000045, AL035403, AC003024, Z95116, AC006195, Z97987, AC004816, AC004912, AC003687, AC004531, AC006037, Z83001, AC010206, AC002319, AC005670, AF110527, AL022333, AL022314, AC006928, AP000346, AF036405, AC004975, AP000495, AC007226, AC009516, Z82190, AC004811, AL122020, AL049781, AL050402, AR038761, AP000253, AP000252, AP000213, AP000135, AC007030, AP000031, AC002381, AC005495, AL031734, AP000298, AF020662, Z75746, L34079, AF039907, AC004196, AC004156, AC000393, AC005387, AP000390, AP000745, U07562, AC005903, AL121588, Z72001, AL035652, AF190641, AL109827, AP000044, AP000113, AP000162, AP000065, AL050341, AL031776, AF191069, AC004068, AL031447, AI239321, AC005887, AL034417, AB001523, AL049694, AL043561, AF207550, AL033377, AC004848, AP000697, AL035246, Z82215, AL035423, AL049636, AL024498, AL050403, AC004695, AC007358, AC005088, AC007879, AC002350, AC007065, U91318, AC002449, AL135783, AC012152, AC005871, AC006040, AC007707, AC005971, AC007298, Z69666, AC007162, AC003090, AC006146, AL031116, AC005668, AC005972, AL121823, Z84718, AL117354, AC008064, AC007917, AC005323, AC005919, AD000833, AP000292, AL049795, AC007099, |

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| | | | | | AL035667, AL022400, AC008033, Z98200, AC005076, AC003010, AF129756, AC006430, AP000962, AL050305, AC005071, AC006124, AC006347, AC005754, Z84487, AC004015, AC007686, AJ250563, U91326, AF085997, AC004525, AC006985, AL034431, Z93930, AP000510, AP000502, AL008715, AL008635, AC010168, AC004929, AC005215, AC006463, AF118808, AL132992, AC000025, Z83826, AC002994, AC005527, AC006441, AC009721, AC007386, AF134726, AL109985, AC005040, AL022476, AC005529, AP000497, AL022323, M65145, AL031255, AL033544, AC006261, AC006165, AL050334, AB023051, AC002301, AC003983, AL034412, AF064863, AC004655, AL031279, AC005410, and AL009179. |
| HCWKO51 | 1411 | 959684 | 1 - 482 | 15 - 496 | T65671, AC003030, and AC004539. |
| HCWKO82 | 1412 | 827083 | 1 - 314 | 15 - 328 | |
| HCWKP03 | 1413 | 924104 | 1 - 318 | 15 - 332 | F30824, AI198292, AC004742, Z97053, AC005391, AP000044, AP000112, Z84466, AL050332, and AL050318. |
| HCWKP51 | 1414 | 725653 | 1 - 333 | 15 - 347 | |
| HCWKP53 | 1415 | 664923 | 1 - 296 | 15 - 310 | AL022161. |
| HCWKP56 | 1416 | 849861 | 1 - 386 | 15 - 400 | |
| HCWKP63 | 1417 | 732447 | 1 - 323 | 15 - 337 | |
| HCWKQ31 | 1418 | 849851 | 1 - 533 | 15 - 547 | AA584765, Z85986, AC004032, AL022330, AP000462, AB017654, AP000511, and U91323. |
| HCWKQ55 | 1419 | 706487 | 1 - 406 | 15 - 420 | |
| HCWKRI3 | 1420 | 917268 | 1 - 309 | 15 - 323 | |
| | | | | | N23693, AA227713, AW304519, N23689, AI054395, N23688, H48670, T05410, AA588242, AA223762, AI537310, AI355513, AW263396, AA736445, AC009247, AC005019, AL096701, AL031291, AC004659, AC002381, AL078638, AL132987, AC004878, AC006101, AL139054, AC002059, AC018633, AC005874, AF134471, AC005839, AC005184, AC005295, AC006211, AL117258, AC005095, AC002470, AC007308, AC002350, AF001552, AC003074, AC010077, AP000512, AC007774, AC007406, AC005988, AC008044, AC005089, AC006948, AC005316, AC002544, AL031054, AC004383, AC004522, AF109907, AC005317, AC006241, AC004966, AC006552, AC004236, AC007161, AL109628, AC002086, AC006480, AC005071, U40369, AC002551, M13792, AF003626, AC006088, AL096763, AC007677, AL022334, AC005519, Z95331, and AF207550. |
| HCWKR80 | 1421 | 527074 | 1 - 384 | 15 - 398 | |
| HCWKS13 | 1422 | 657194 | 1 - 299 | 15 - 313 | AW271211. |
| HCWKTI1 | 1423 | 966989 | 1 - 355 | 15 - 369 | AI244254, N22058, AA715418, AA955031, AL078472, AP000023, AC004106, AF003626, AF139813, AP000555, AC004858, AC005277, AL139054, AL022163, AC004228, AL031311, AF109907, AC005972, AL031594, AF129756, AC005666, AC004878, AC004491, AL122020, AL049872, AC005971, AC008119, AC004983, AC006064, AC006111, AP000501, AL033392, AC005288, AL049780, AC004622, AC004913, AC002316, AC005844, AC005829, AL009179, AC005778, AC003025, Z84483, AC004408, AC000085, AC004678, AL109758, Z84467. |

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| | | | | | AF134726, AL121653, AL096763, Z93930, AC005668, AC016025, AC003085, AF196971, AL031591, AC005071, AP000692, AL021155, AC007421, AC004257, AC002477, AC004032, AC005663, AC002303, AC007055, AP000512, AC005736, AC005482, AL096791, AC003101, AC005041, AC005015, AP000359, AC005237, AF031078, AB023049, AC007486, AC011331, AF205588, AL031228, AC004552, AF037338, AC006001, AC005632, AF030876, AL033527, AC006271, AL035411, Z85987, AC005874, AF134471, AC006468, U91321, AC005529, AC006480, AL031427, AC004019, AP000502, AL109939, AC004525, AC005180, AC005324, AL009177, AC005081, AP000246, AL031664, AC005399, AP000509, AC002312, AC007845, AF045555, Z98051, AC006120, AL049829, AC005568, AL008715, AL049696, AC003982, AC006160, AL109839, AC005480, AP000032, AC002091, AL035467, AC005215, AC005102, AF001550, AL020995, AC002094, AL133246, AL096701, AC002310, AP000345, AC006277, AL121595, AL080248, AC006530, AC005484, AJ003147, AP000354, AL049569, AC002470, AC004517, AC002400, AL031662, AC005225, AC004895, AC004551, AP000103, Z84487, AC007934, AC002364, AL022329, AC005531, and AL049759. |
| HCWKT43 | 1424 | 659539 | 1 - 230 | 15 - 244 | |
| HCWKT57 | 1425 | 881629 | 1 - 331 | 15 - 345 | AC006014, AC005488, AL049869, U29895, AC005529, AC008372, AD001527, AC005081, Y18000, AC007225, AC005011, AL021155, AC002544, AF111167, AC004526, Z85987, AC006538, AC002470, and Z98949. |
| HCWKT63 | 1426 | 849944 | 1 - 463 | 15 - 477 | |
| HCWKV68 | 1427 | 959801 | 1 - 241 | 15 - 255 | |
| HCWKV77 | 1428 | 527554 | 1 - 388 | 15 - 402 | |
| HCWKV85 | 1429 | 932540 | 1 - 373 | 15 - 387 | |
| HCWKX13 | 1430 | 466512 | 1 - 393 | 15 - 407 | AA694449, AA568961, and AL031602. |
| HCWKX61 | 1431 | 676895 | 1 - 400 | 15 - 414 | |
| HCWKX68 | 1432 | 725014 | 1 - 345 | 15 - 359 | AC007463. |
| HCWKX77 | 1433 | 772163 | 1 - 405 | 15 - 419 | |
| HCWKX81 | 1434 | 724873 | 1 - 437 | 15 - 451 | |
| HCWLA68 | 1435 | 665744 | 1 - 291 | 15 - 305 | |
| HCWLD01 | 1436 | 916439 | 1 - 691 | 15 - 705 | AI476149, AI476150, AA310216, H90114, AA742815, AA904211, AA468371, T50676, AA468505, AA230025, AA614254, AA228368, N73060, AI050760, AI572680, AA188423, R33091, AI281561, AA224889, AI457313, AI634187, AW069227, T03928, AI431513, AI917132, AA584756, AA302978, AW304637, AI679221, AI171892, AA135761, AI310992, AI300818, AW243808, F29968, AI601229, AA228269, AI628859, AI884522, AA654763, AA728911, AA525753, AW340905, AI583142, AI754653, AA017149, AW028376, AW068008, AW068007, AA297776, F17537, H84412, AI277318, AI271762, AA077776, AA278496, AA493628, AA492524, AI635440, AI473995, AA206707, AW069537, AA557945, AA573062, AA587826, |

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| | | | | AA053136, AL613389, AW028950, F00688, AW194024, T94072, AL267356, AA743968, AI039257, H43771, AA367920, AW067788, AA470512, AW341882, R34070, AA702717, AI872461, H52283, AA827490, AI732502, AA015753, AL050318, I34294, AL109798, AC005081, AC018633, AP000511, AC005495, AL035659, AC004967, AL022326, AP000694, AF165926, AL049872, AC004211, AL020997, AL022333, AC006501, AC005520, AC007384, AP000032, Z85987, AC005774, AC007546, AP000103, AL034420, AB023049, AB023050, AL136295, AC002072, AF178030, AL049712, AC002430, AP000513, AC006241, Z83845, AF111168, U78027, AC002302, AC006449, Z99716, AC006581, AF050636, AL122023, AC004797, AL049697, AL035422, AC004985, Z68276, AL031284, AC002477, Z82208, AC004815, AC002395, AI251973, AC005755, AL008723, AL031284, AC002477, Z82208, AC004815, AC002395, AL031685, AB009695, AC007314, AF045542, AC006455, Z95114, AC005874, AF134471, AC003692, AC005519, AC006948, AC006077, AC005781, AC000041, AB020868, AC005015, AF207550, AL049776, AL035072, AC005480, AF001550, AC006211, AL021392, AC006312, AC005815, AP000359, AC005291, L44140, AL035658, AF196971, AC000025, AC002553, AC004024, Z97056, AC004686, AC007993, AL109963, Z54246, Z82215, AC002365, AC004148, AC007130, AC007371, AC004623, U91318, Z84469, Z99129, AL031584, AF001548, AJ003147, AL13243, AL008735, AC006079, AF049913, AL031657, AF024533, AL050337, AP000289, AC005736, AL035413, AL096701, AC005776, AP000042, AP000110, U26425, AB017602, AC007225, AL035587, AC003690, AL031846, AC007687, AP000354, AC006544, U62317, AC005484, AC004922, AC007199, AL034548, AL022165, AC002563, AC003688, AL022316, AC007052, AC005972, AC005070, AL023553, AF053356, AC006966, AC006958, AL034582, AL096791, AL031670, AC005914, AL049713, AL034423, AC005899, AC002425, AC005696, AL024474, AL035455, AL035458, AC004531, AC002985, AL132708, AP000048, AL022311, Z93241, AC006050, AP000348, Z98036, AL022327, AC006126, AC005924, AP000351, AC002059, AC007639, AL121603, AL031296, U62292, AL031577, AL022336, AC004770, AC002544, AC006120, AC007421, AF196969, AC002091, AC004707, AC000085, AL049553, AC002301, AC004755, Z84718, AC000353, AC004655, Z99774, AC003030, AC004675, AC005670, AL049871, Z83846, AL031311, AL022163, AC002316, AP000350, AC005004, AC005046, AF038458, AC004765, AC005911, AC005726, AP000512, U85195, AC004560, AF001549, AL049709, Z84487, AL021878, Z98304, AL035461, AC003007, AP000504, AP000086, AL050341, D89927, AC005759, AC005225, AF111169, AC004150, AL022312, AC004234, AC004477, AC004645, AC005071, AL109628, AP000045, AC004448, AC004884, AL049610, AC005409, AP000555, AC004383, AC003969, AL049757, AL096794, D86995, and AI002059. |
| HCWLD06 | 1437 | 935392 | 1 - 439 | 15 - 453 |
| HCWLD30 | 1438 | 933118 | 1 - 419 | 15 - 433 |

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| AA857812, AA568204, AI061313, AW242031, AI679759, AI984168, AI623764, AW103758, AW265688, AI962030, AA847704, AI355246, AI633168, AI040051, AI653776, AI890046, AA489390, AI572680, AI815210, AW103030, AI431513, N23097, AA468956, AA507499, AA463590, AA558366, AA728911, AW082104, AA904211, AI696878, AA664604, AI148404, AI079901, R44593, AL037910, AI362442, AA158023, AI927275, AI445216, AA599080, AA610381, AI733856, AA582554, AW274078, AI859438, AI357976, AA513916, AA120920, N67313, AA424249, AA558488, AA609834, AW167154, N23913, AW023270, AA572983, AL044966, AA584484, T50676, AI245693, AW189008, AA176604, AI267356, AW026305, AI282479, AI278972, AI421950, AW408767, AI419337, AI598003, AI446623, H47736, AI285696, AI590593, AI119691, H60912, AI590404, AW068853, AI961983, R52008, AW302709, AI830390, AI053673, AA600202, AI417469, AL049694, U95739, Z82214, AC005029, AP000359, AL034417, AC005004, Z98048, AC005231, AC007055, AC003041, AC005043, AF165926, AC007308, AC005089, AC002470, Z99716, AL031283, AL132777, U85195, AL034420, AF196779, Z83847, AC003101, AE000658, AC005726, AP000514, AC005755, AC004526, Z83844, AL049795, AC002316, AL022721, AC006441, AP000114, AL13246, Z93241, L44140, AC002314, AF111168, AC004797, AD000671, AC007536, AC005696, AL034379, AL033525, X55448, AL035587, AC005071, U80017, AC003029, AC004757, AC005261, AP000555, AP000553, AC006530, AC005962, Z97054, AC004760, AB014078, AC005730, AL031255, Z98044, AC002472, AC000025, AC005015, Z93020, AP000046, AP000008, AC004895, U91318, Z93017, AC007160, AL031659, AP000557, AC007193, AC020663, AC006252, AL049776, AC009516, AC004150, AP000509, AC003080, AC007664, AL031277, AC007376, AF019413, AC005399, AC000041, AC002563, AC006111, AL020995, AC005920, Z93023, U78027, AC003007, AC005844, AC004832, AL031767, AL035417, AF129756, AC006014, AL080243, AC002477, AL117694, AL121653, AL049760, AC004814, AL035422, AL031681, AC005940, AC005544, AL049829, AC005324, AC005624, AC005907, AC005280, AC004622, AL078593, AF045555, AL021154, AC016025, AL117337, AC006121, AC005921, AC005145, AL022336, AC004878, AC002351, AP000556, AF196969, AC003043, AL031589, AC005971, AF205588, AC004253, AL024507, AC006057, AC004491, AL022165, AC006141, AL121655, AC007371, AC006146, AL096701, AC007216, AC005409, AC005332, AC006511, AL020997, AC002996, AL031295, AL022313, AC008071, AC007283, Z95152, Z85986, AC006285, AC003992, U91322, AC005081, AC007436, AF038458, U91326, AC004967, AC005899, AC005775, AC004821, AC004099, AC004796, AL008710, AC006116, AC008018, AC004653, AP000050, AL035460, AC002425, AC002288, AC002480, AL024498, AL023575, Z93930, AC007011, AL034549, AC007199, AC004983, AL133448, AL009181, AP000472, AP000117, AC004765, AL021453, AC016830, AL050321, Z84476, AL117351, AC002350, AC006251, AC005881, AP001053, AL133245, AL008730, AC004659, AL031289, AC004913, AL121595, Y14768, AP000011, AP000159, AC006160, AC004596, AC006449, |
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| | | | | | | AL136295, AI246003, AP000133, AP000211, AC006942, AD000833, AC005529, AP000694, AC002045, AC002544, AC005778, AC002310, AP000505, AP000152, AC006211, AC006071, AL035413, AP000261, AL031186, AL049830, AF111167, AC005790, AP000558, AF047825, AC002301, AC008072, AL109963, AC003663, AF001549, AC004383, U95742, AC005488, AL031432, AC007450, AP000313, AC004707, Z97876, and AL034423. |
| HCWLD83 | 1439 | 728219 | 1 - 304 | 15 - 318 | | |
| HCWLE11 | 1440 | 880982 | 1 - 399 | 15 - 413 | | AI431966. |
| HCWLE34 | 1441 | 576816 | 1 - 416 | 15 - 430 | | |
| HCWLE37 | 1442 | 960093 | 1 - 400 | 15 - 414 | | AC004687, AB014512, and AF039571. |
| HCWLE46 | 1443 | 719247 | 1 - 516 | 15 - 530 | | |
| HCWLE57 | 1444 | 764189 | 1 - 471 | 15 - 485 | | |
| HCWLE64 | 1445 | 745863 | 1 - 300 | 15 - 314 | | AA837796, AI521042, AA666066, AI587565, AI587583, AF141309, AC007227, AL020997, AC005231, AC006597, AL096791, AC005972, AC004686, AL021546, AC007845, AC003035, AC016025, AC004703, AP000359, Z93023, AL117328, AC004263, AL009181, U96629, AP000355, AC005015, AL034553, AF061032, AC004796, AD000812, AP000354, AC004041, AC003110, AC006344, AC002091, AC002126, and AL031672. |
| HCWLE95 | 1446 | 684331 | 1 - 175 | 15 - 189 | | |
| HCWLH02 | 1447 | 853014 | 1 - 688 | 15 - 702 | | AL038842, AI049630, AI733856, AA491423, AA528566, AA525517, AI886360, AI707744, AA508873, AI243793, AA857381, AA513189, AA765925, AA283081, AC007055, AC004804, AF019413, AL031848, AC005548, AC007193, Z75407, AL031678, AC007537, AL121658, Z98742, AC008101, AI246003, AC005387, AC004738, AC004491, AC008079, AC005746, AL117354, AC005696, AL121603, AL021155, AC005562, AL035405, AC005409, AL031228, Z84480, AF134726, AC004020, AC005057, AL035089, AC004033, Z95152, AL031295, AC005058, AC005358, AC005015, AC007011, AC005899, AC007160, AL133448, AP000689, AC005180, AB023048, AC004605, Z83846, AC002369, AC004686, Z82176, AC005231, AC004859, AL109628, AP000497, Z93017, AC002316, AC004830, AC005859, AC007283, Z97630, AC005520, AC003029, AC006001, AC005209, U62293, AC002352, AC006271, AF118808, Z75741, AC005620, AL031311, AL121757, AC004797, AC006211, AC002302, M17262, AF124523, AC009069, AL031685, AC004254, AL132712, AB003151, AP000704, Z96074, AC002351, AL109984, AL008719, AC004673, AL109827, AP000556, AC020663, AL031666, AC005529, AL031276, U96629, AC004477, AL031846, AP000692, AC005071, AC002418, AC006120, AC004883, Z95115, AC006026, AL133163, AC003093, AL034548, AF126403, Y07848, AC005740, AL021707, AC004476, AL034423, AC009516, AF111168, AL008631, AF015720, AC003982, AC002299, AC006111, AC007731, AC006285, AC003007, AC005500, AC006077, AL021453, Z82215, AC000026, AC006057, L78810, AL049760, AC003110, AC004531, AC005695, AC004386, U72788, AC006449, AC000353, AC004099, AC006160, AP000500, AC004966, AL008635, AC004856, AL121655, AF139813, U95742, |

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| | | | | | AC005523, AL080317, AC005839, AC004662, AC005800, AL096701, AC007676, AL031664, Z98200, AC006064, U15177, AC005484, AC006252, AC005632, AC000003, Z98752, AL049872, AC005399, AC006013, AL135744, AC007216, AC007993, Z95116, AL021807, Z82208, AC005778, AL133500, AC005006, AC007227, AC002365, Z99716, AC004955, AC007225, AC007868, AC004526, AC007919, AC002470, AC008044, AC004895, AL035458, AC007637, AC004647, AC005606, AP000553, AL049694, AC005972, AC005086, Z94721, AC007057, AC004815, AL049766, AP000962, AL022721, AC004887, AL096791, Z94801, AC007392, and AL139054. |
| HCWLH09 | 1448 | 625558 | 1 - 517 | 15 - 531 | |
| HCWLH20 | 1449 | 529356 | 1 - 336 | 15 - 350 | |
| HCWLH42 | 1450 | 954875 | 1 - 677 | 15 - 691 | AI791227, AA524604, AI708424, AI141202, AI628922, AL134669, AA663579, AI572680, AA504951, AI791720, AI791408, AL079869, AL119331, AA595370, AA577824, AA454870, AI708663, AW021674, AA723282, AI732327, AI828721, AW238137, AA640305, AI753969, AI745666, AI732720, T59943, AI174827, AW022796, AI889177, AI003086, AI049999, AI890297, AW338376, AA171400, AL042539, AI310464, AI434103, AA601712, AI733523, AW248479, AA218684, AW008217, AI860423, AI734119, AA084320, AI312614, AL044966, AI344906, AI270280, AA569220, AI148840, AI254267, AA643788, AA199578, AI221027, AI884404, AA652675, AW275432, AA330549, AW157128, AL044701, AA629668, F25759, AI872229, H64858, H64884, AW338633, H59797, AI679902, AI925423, AI679394, AI678812, AL036896, AA284638, AI884763, AA618531, AA554289, AI567676, AI678468, AI038029, AA525818, AA470490, AA834891, AI281622, N70293, T03576, AI963816, AA493546, AL133238, U91321, AB001523, AC005288, AC004703, AC004752, Z84474, AC006130, AL021940, AC006581, AL035086, AL021391, Z97054, AC007537, AC005412, AL008582, U80017, AF134726, AC005971, AP000692, AC008372, AC005358, AL132777, AL031587, Z84466, AC005519, Z98051, AL022315, AP000512, AL122020, AC005484, AP000099, AC006162, AF111168, Z82198, AC002310, AF118808, AP000365, AC003982, AL031846, AL031666, AC007226, AC002312, AP000036, AC004125, AC005585, AL121603, AC005180, AC004966, AC008044, AC006197, AC004816, AL049776, AC007878, AP000555, AC006254, AF053356, AC005899, AC004638, AP000503, AC005839, AC005747, AC006121, U63721, AC005829, AC006453, AC009516, AC007376, AC002418, AC004821, AB023051, AL049694, AJ246003, AC005326, AL078593, Z82201, AC004913, AC004890, AC005291, AC007227, AL022323, AC005837, AL031283, AL022165, Z97053, AC005527, AC005280, AL080243, U78027, AC005261, AL031670, AC004832, AC005031, AC005015, AL049759, AL121595, U85195, AC004999, AC007686, AC005529, AC004386, AC007421, AC005666, AL031427, U52112, AL022316, AC005911, AC006511, AC004552, AC005409, AL022163, AC006277, AC006026, U62293, AE000658, Z83840, AC005399, AC006538, AD000092, AL031311, AL034549, Z98200, Z93017, AC006241, AF111167, AC005932, AL049869, AL096701, AC003665, AC006530, AC004796, |

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| HCWLH75 | 1451 | 670202 | 1 - 232 | 15 - 246 | <p>AC002429, AL035422, AC005696, AL035455, AP000359, AL022476, AF088219, AF107885, AC007688, AL034420, AC005037, AC002375, U91325, AC006312, AL035460, AL009181, AC002377, AC005377, AL121655, Z98044, Z98048, AB003151, AC007193, AL008718, AC004659, AL022238, AC004805, AC007934, AC005632, AL049757, AC004673, AC007546, AL121653, AL117258, AL132712, AC016025, U62317, AC005553, AC005531, Z82208, AC006449, AL139054, AC005231, AL022326, A1003147, AF111169, AC004702, AL109952, AC005755, AL022336, AC004671, AC006057, AC005089, AC007051, AC004228, AL035587, AL035659, AC005920, AC004997, AC002477, Z98742, AC006040, AC006344, L78833, AL133448, Z99716, AC003025, AC005907, AC004929, AL020997, AJ251973, AC004883, AC005355, AC006509, AC000379, AL050307, AC005057, AP001065, Z95114, AF109907, AP000279, AC004895, AL021707, AF139813, Z83844, AC005730, AC004812, AL023807, AC004263, AC003041, AP000553, AC006006, AC004662, AL024498, AC004150, AC003966, AL031003, AL050317, AP000556, AL035072, AC006001, U47924, AC006120, AL031286, AR036572, U91328, AC006211, AP000350, AC005722, AC007151, AC003957, AC003043, AC007160, AC004859, AC004967, Z92542, AC004491, AC004019, and AC007690.</p> <p>AI884861, C16780, C16638, AI267356, AA224525, AW270429, T02817, AI267450, AW270351, AI859906, T07225, AI084157, AW062363, AA706160, T08386, AA121784, H47368, AI002389, AI690474, AA730336, H38228, AL044177, N38991, AA526401, AI469392, AI889426, AI791227, AI732911, AA995373, F35684, AI984118, F30497, AA078509, AA652763, N29930, AI143653, AW019964, AW342143, N64577, AA598605, AI860535, AA857812, AA186905, H25626, AI537800, H83126, AW104831, AI888298, AI279477, AL021154, U02052, AP000432, AC005940, AL096701, AC005288, AC006130, AC006019, AF124730, AL117354, AC000026, AC004234, AL035695, AC009247, Z93930, AC005740, AL031670, AL031846, AL022165, AC007386, AC006965, AF196972, Z84480, AL022320, AC006255, AC004531, AC006930, AF020503, AP000501, AC004941, AC007283, AL078638, AF001549, U95742, AC005822, Z93016, AC006146, AL022316, AL033527, AL031277, AC007216, AL132712, Z97184, AL031664, AC007388, AC000092, AC006285, AP000466, AC005746, AC002316, AP000555, AC006539, AL034420, AC002059, L47334, AC000052, AC016025, AC005618, AC007376, L48038, AL035072, AF172277, AC002368, AP000550, AC006251, AL023281, AC004973, AL034553, Z83826, AC004967, AL022313, AF047825, AC004019, AC005488, AC005856, AC006538, AC005251, AF196779, AC005154, AC005004, AC006241, AL050348, AC005696, AL035455, AL022323, AL008583, AC004879, AC005911, AF111167, AP000557, AL008582, AC006236, AB023048, L78833, AL110279, AL049830, AC006529, AC000353, AC004020, Z97635, AL034451, AL031311, AL049758, AL035086, AC003965, AC002425, AC003689, AC004799, AL121603, AC005519, AC007358, AC004491, AC007193, AL034369, AC006946, AC008018, U95740, M17262, AP000349, AC007066, AF064863, AL022326, AC006441, AP000553, AC007690, AC002326, AC005913, AC004448, AC005399, AL109657, U91321,</p> |
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| | | | | | Z94721, AC007011, AC006071, AC004797, I34294, AL136295, AD000812, AC001231, AC007666, Z98051, AF190465, AC005736, AC005207, AL121655, AC007536, AL049757, AF196970, AC002365, AC007993, AF018080, AC005664, AF017257, AC005231, AF111163, AC005081, AF207550, AC005233, AC005180, AC007151, AC005821, AJ003147, AC007201, AC005566, AC000086, AF196971, AC009516, AL022324, AC006064, AL008630, AC005072, AP000353, AC002991, AC000080, AC005527, AC005663, AF042836, AC007199, AL022396, AC004985, AP000692, AL033397, AC005512, AC004963, AC009509, AC005872, AC005881, AC004659, AC004878, AC005899, and AC009225. |
| HCWLH78 | 1452 | 935908 | 1 - 354 | 15 - 368 | AF161019, and AF131890. |
| HCWLH79 | 1453 | 959458 | 1 - 433 | 15 - 447 | |
| HCWLH80 | 1454 | 577886 | 1 - 387 | 15 - 401 | |
| HCWSB09 | 1455 | 923573 | 1 - 235 | 15 - 249 | T06288, AI568754, T51118, AA626678, AI160117, T58567, AA347927, AA633892, AI439360, AA515224, AI872227, AI874231, AC006333, AL008721, AC006975, AC003041, AL035681, AL034351, AC007676, AC006026, AL031657, AC005754, AC000052, D84394, AL096701, AC004019, AL021155, AC007637, AL118497, AL049697, AL080243, AC003982, AC002433, AC004972, AC005778, AC000003, AL022238, AC004890, AL021878, AP000313, AL021808, AC005023, U95740, AL049869, AL035072, AL022316, AP000050, AC021092, AC007064, and AF148319. |
| HCWSB30 | 1456 | 771897 | 1 - 496 | 15 - 510 | AI914747, H06604, AL096701, AC004491, AC007055, AL023807, AC002559, AC007308, AC002470, AC005632, AC004834, AC004099, AP000344, AC012384, AC004967, AC003071, AC005089, AC003982, AC005189, AL031685, AC005915, Z93017, and AC006441. |
| HCWSB65 | 1457 | 728360 | 1 - 326 | 15 - 340 | AC007536. |
| HCWTA02 | 1458 | 919258 | 1 - 341 | 15 - 355 | |
| HCWTA59 | 1459 | 531422 | 1 - 221 | 15 - 235 | |
| HCWTB01 | 1460 | 861850 | 1 - 358 | 15 - 372 | AA135868, H73889, AA569179, AI281401, N55456, R48980, AA652949, AA302934, AL041895, AI364568, AA643770, AI800852, AI292317, R35259, H24957, AA247731, H66021, H58970, T06292, AA278496, AL037006, N74027, AA320232, AL036665, AA558487, AA856817, AA504865, AL080317, Z99128, AL034551, AC009223, AC008041, AD000813, AP000502, AF134726, AF126403, AC002116, AC002465, AC004139, AC004257, AL049569, AC003108, AC011331, AC004921, AC007388, AC004883, AC006392, AL031650, AL118516, AC006511, AC005488, AL035682, AL050321, D84394, AP000509, AF196969, Y10196, AP000135, AL121655, U80017, AC008134, AC006273, AC004185, AP000031, AC007878, AC004655, AC004914, AF030453, AC006088, AC004970, AC004671, AD000812, AL050318, AC005088, AL022324, U47924, U63721, AC000379, AL133245, AC007066, AL022315, AC005726, AC005324, AC000086, AL133243, AL031278, AC008044, AC005255, AC002126, AF024534, AC005480, AC020663, AL121653, AL031597, AL009051, AL049759, AC005578, AL008715, AC007360, AP000109, AP000041, AP000044, AP000112, AC005251, AF111168, AC006025, |

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| | | | | | Z98052, AL132777, AC005017, AL022163, AP000065, AL035405, U91325, AL096678, AC007226, AF019413, AP000687, Z54072, AC006047, AL031347, AP000513, AC005746, AL034420, AC009510, AC007993, AL022323, AC006509, AC002312, AC005200, AC005332, AC007350, AC004079, AC005049, AC002522, AC004461, U78027, AL035422, AC005277, AC005921, AC005899, AB022785, AC005081, AC004144, AL079342, Z93020, AC005952, AL022330, Z72006, AC005015, AC005544, AL078581, AL117354, AC002558, AC003013, AL049830, AC004228, AC003681, AP000555, AL031311, AP000303, AL031659, Z85986, AC005031, M87889, AC004999, AC005790, AL035088, AC007666, AC006965, AC005089, AF190465, AC005796, AL023803, AC006117, AL034548, U62292, AC004983, AL033521, AL133448, Z96776, AC002314, AF045555, AC004967, AC005670, AC004854, AL031846, AC004477, AC005071, AC004770, AC005747, AC002364, AP001172, AL049749, AL109984, AC005911, AC005300, AC005619, AF152365, AL031774, AC004542, AC004596, AC007011, AC007055, AC004033, AC003950, AC006515, AC006254, AL049856, AC004865, AC007731, Z98744, AC002302, AC002036, Z68323, AC004891, AP000564, AP000353, AL022313, AL109613, AC005519, AC004526, AC005969, AC002540, AC006138, AL035413, AC006146, AC005102, AC006261, AC004851, AL049780, AL110502, Z75407, AP000688, AL050350, AC004966, AC004651, AL246003, AP000347, and Z98044. |
| HCW/TB08 | 1461 | 920509 | 1 - 317 | 15 - 331 | AL657485, N83963, N87188, N83707, AC006993, AF045432, U48697, AJ243486, U48696, U39066, AR018815, AF102850, AF001863, AF061744, AF011573, X99056, X99052, Y16299, X99058, X99051, X99055, X99060, and X99057. |
| HCW/TB11 | 1462 | 965024 | 1 - 328 | 15 - 342 | |
| HCW/TB13 | 1463 | 861029 | 1 - 347 | 15 - 361 | |
| HCW/TB14 | 1464 | 657621 | 1 - 315 | 15 - 329 | |
| HCW/TB25 | 1465 | 677748 | 1 - 429 | 15 - 443 | |
| HCW/TB31 | 1466 | 697615 | 1 - 465 | 15 - 479 | AL045970, AF034803, and AL049694. |
| HCW/TB33 | 1467 | 702129 | 1 - 543 | 15 - 557 | AI341548, AA167659, AA716348, AI798489, AA490183, AW274346, AI345654, AW419262, AI613280, AW193265, AW438643, W47183, AI350211, AI341664, AA446657, AA577906, AA551503, AI375710, AA719805, AI688846, AA973803, AA350859, AA599920, AW193432, AA649642, AA483223, AL121385, AI754658, AA486414, AI792518, AW408707, AA601222, AI962050, AA586458, AI061334, AA970213, AI619997, AW118338, AI002834, AI814735, AW080134, AA828712, Z97196, AC002470, AP000045, AC003957, AC006946, AP000501, Z94277, AC007685, AL049569, AC002531, AC004966, AC007274, AC002347, AC005295, AC005291, AL022315, AC005632, AL023575, AL049795, AL049712, AL035659, AC007191, AC007919, AC002430, AL031666, AL008718, AC005696, AL121748, AC007014, AC000353, AC006241, AC004019, AL133371, AC007384, AL008627, AC018769, AC009247, AC005231, AL080243, AC005900, AC005746, AC004987, AC004884, AL096701, AC005393, AC004584, AC007151, AC007128, AL050342, AP000113, AC005778, AC008372, AC003007, AR036572, |

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| | | | | | U91328, AL031123, AC005004, AL121603, AC004895, AC008059, AF045555, AC006006, AC007387, AL022163, AC007666, AC005899, Z98744, AC007298, Z69917, AC004972, U95742, AC005037, AL133304, AC006153, AL022323, AC003977, AL035455, AF200465, AC008079, AC005754, AL122021, AL049709, AC006344, AL135744, AL031257, AP000140, AL034351, AL139054, AL035411, AC004814, AC007564, AC005261, AC005784, AL022316, AC005081, AF067844, AC005971, U91321, AC005871, AC004859, U63630, AC007216, AC005071, AC006501, AL049766, AC007676, AC005859, AC004453, AC005839, AC004448, AC004765, AL117258, AC006211, AC008115, AC005209, AL109865, AC004522, AC007308, Z98051, AP000088, Z73967, Z98200, AC004815, AL023494, AP000065, U18399, AC005089, AC003072, AC005944, AC006449, AC002385, Z68284, AC007225, AC002307, AC004029, AP000459, AC008134, AC004167, AP000117, AL049759, and AC002310. |
| HCWTB36 | 1468 | 529499 | 1 - 405 | 15 - 419 | |
| HCWTB38 | 1469 | 732440 | 1 - 340 | 15 - 354 | |
| HCWTB56 | 1470 | 853009 | 1 - 474 | 15 - 488 | |
| HCWTB65 | 1471 | 861848 | 1 - 401 | 15 - 415 | |
| HCWTB77 | 1472 | 771887 | 1 - 434 | 15 - 448 | AC005045. |
| HCWTB83 | 1473 | 730832 | 1 - 365 | 15 - 379 | AC004963. |
| HCWTF05 | 1474 | 849954 | 1 - 304 | 15 - 318 | |
| HCWTF11 | 1475 | 966513 | 1 - 734 | 15 - 748 | |
| HCWTF19 | 1476 | 668358 | 1 - 353 | 15 - 367 | |
| HCWTF72 | 1477 | 760898 | 1 - 349 | 15 - 363 | AI679759, AA313133, AA548692, AI065043, AA968509, AI362442, AA092862, AA128969, T60940, T39390, AI624990, AI620548, F00211, W44359, AW029574, AA904211, AI143653, AI289050, AI284092, H25626, AI254508, AI251696, AA302812, AA564256, AA598608, AW054936, F25640, AA814719, AA515929, AL042869, AA021139, AA557984, AA728911, AA857812, AA779018, AA132929, AA633565, AA457482, N57709, AA437402, N73060, AI917053, AI341664, AA700481, AW029269, AI560054, AW080772, AC006241, AC005755, AC004626, AC007066, AD000092, AC007055, AC009399, AL049636, AL031056, AL049643, Z92540, AC007376, U62317, AC005081, AL049779, AC002350, AC010170, AC005180, AC004832, Z98949, AC004686, Z92541, AB009666, AC004938, AC009181, AC005015, AL021393, AL049540, AC004623, AL117355, AC005920, AL035683, AC005071, AC007151, AC016026, AC004983, AL117330, AP000553, AC006285, AC002088, AC005993, AC008064, AC005826, AC005751, AC009721, AC005065, AL049871, AC007041, Z98304, AC007421, AC010582, AL034549, AC004383, AC008000, AC005829, AC022517, AL049780, AL022329, AL008582, AP000692, AC006236, AC005690, AL022165, AC005599, AB015355, AL021407, AL022316, AC002073, AC005291, AC007541, AC006127, AC002563, AL035659, AC006388, AC008124, AC006121, Z98052, AC006539, AC006277, AC006966, AC005231, AC005736, X51956, AL022396, AC000003, AC007938, AL031315, AC002558, AC006323, AC005666, |

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| | | | | | | AC007766, AC005874, AF134471, AC002476, AP000495, AC005102, AC006077, AC005519, and Z82215. |
| HCWTG01 | 1478 | 915863 | 1 - 451 | | 15 - 465 | |
| HCWTG15 | 1479 | 659860 | 1 - 539 | | 15 - 553 | |
| HCWTG26 | 1480 | 681271 | 1 - 542 | | 15 - 556 | |
| HCWTG30 | 1481 | 954579 | 1 - 184 | | 15 - 198 | N83963, AI657485, N87188, N83707, U39066, U48696, AF045432, AI243486, U48697, AR018815, X99056, X99052, Y16299, X99058, X99051, AF102850, AF001863, AF061744, X99055, AF011573, X99060, and X99057. |
| HCWTG44 | 1482 | 657911 | 1 - 559 | | 15 - 573 | |
| HCWTG45 | 1483 | 662482 | 1 - 372 | | 15 - 386 | |
| HCWTG60 | 1484 | 740078 | 1 - 372 | | 15 - 386 | |
| HCWTG66 | 1485 | 754823 | 1 - 426 | | 15 - 440 | |
| HCWTG77 | 1486 | 924107 | 1 - 292 | | 15 - 306 | H54210, AA594169, T94094, T94176, AI445316, AI762836, AA601422, AI821390, AA054639, AC004263, Z99943, U95740, AL021546, AC004596, AC005412, AL132777, AC005372, AC018769, AC002091, AC006441, AL021394, AC005696, AC008372, Z85987, AL022476, AL008726, Z97200, and AP000556. |
| HCWTG81 | 1487 | 773341 | 1 - 339 | | 15 - 353 | |
| HCWTI25 | 1488 | 669935 | 1 - 421 | | 15 - 435 | |
| HCWTI33 | 1489 | 701757 | 1 - 321 | | 15 - 335 | |
| HCWTI38 | 1490 | 576883 | 1 - 355 | | 15 - 369 | |
| HCWTI44 | 1491 | 689971 | 1 - 384 | | 15 - 398 | |
| HCWTI47 | 1492 | 720023 | 1 - 341 | | 15 - 355 | |
| HCWTI54 | 1493 | 723080 | 1 - 263 | | 15 - 277 | |
| HCWTJ01 | 1494 | 915878 | 1 - 322 | | 15 - 336 | |
| HCWTJ50 | 1495 | 724072 | 1 - 297 | | 15 - 311 | |
| HCWTL24 | 1496 | 676906 | 1 - 311 | | 15 - 325 | |
| HCWTL25 | 1497 | 598511 | 1 - 428 | | 15 - 442 | |
| HCWTL51 | 1498 | 725482 | 1 - 425 | | 15 - 439 | AA493760, AA494202, AA362037, R10297, AC003003, AC004084, AC003669, AP000344, AC004967, and AC003010. |
| HCWTL52 | 1499 | 573539 | 1 - 321 | | 15 - 335 | |
| HCWTL58 | 1500 | 697623 | 1 - 380 | | 15 - 394 | |
| HCWTL69 | 1501 | 960597 | 1 - 440 | | 15 - 454 | AW393605, AI526146, AI541503, AI526179, AI557778, AI541501, AI526154, AI541531, AI541493, AI526185, AI557718, AI557740, AI557747, AI541516, AI557797, AI541487, AI557735, AI557779, AI541515, AI526178, AI541489, AB010555, V00124, V00125, J00036, J00037, J00034, J00030, J00038, J00032, and K00133. |
| HCWTL78 | 1502 | 760707 | 1 - 217 | | 15 - 231 | AC004539. |

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|---------|------|--------|---------|----------|---|
| HCWTL85 | 1503 | 836155 | 1 - 426 | 15 - 440 | AA635433, AA302982, T71936, AI249688, AI653525, AA515742, AA603264, AI049643, AA015948, AI587349, R70883, AI245679, AA368659, F31867, AA568204, AA570740, AA483606, T07878, AA229988, T49933, AI198718, AW051819, AA550959, AI289505, AA229159, AW304699, AI038304, AA809153, AA661948, AA516206, AI754567, AI569100, AW192599, N28624, AI754105, AI755214, AI821805, AW028950, AW188742, AW243945, AI791659, AI821056, AI080307, AA666295, AA167293, AA936718, AI792092, AC004216, U91321, AI124731, AC005358, AC002395, AC003070, Z98941, AI111168, AP000513, Z84469, Y10196, AL049776, AC007637, AC004859, AL021394, AC003037, AC004562, AC004913, AL022721, AC004686, AC006479, AF030453, AL049569, AC004765, AC005972, AL022238, AC005251, AC004382, AF001552, AF067844, AC005031, AL035090, AC005212, AC005049, AP000510, AC003954, AC005921, AL021918, AC005231, AC005632, AC007308, AC004832, AC003007, AL049760, Z82244, AF029308, AL109758, Z85986, AF109907, AC004159, AP000501, AC004694, AC005899, AL031431, AC005815, AL080243, AC006455, AC003665, AF196969, AC009509, AC006077, U80017, AL133243, AC006430, AC006050, AC006487, AC006449, AL023575, AC006026, AL121658, AL049709, AC005192, AC005015, AC005081, AL031255, AC004491, AL133245, Z98950, AL121653, AC004020, AL035455, AC007934, AC005325, AC004620, AC004383, AC002312, AL034429, AL109798, AC004816, AC006581, AL031848, AL049694, AC005562, AC006372, Z82198, AC004890, AL034423, AC004797, AC007437, AC004526, AC003990, Z98743, AC005913, AF130343, Z99716, AC005274, Z98036, AC003009, AL031733, AL109827, AL049795, AL031575, AL033530, AC006211, AC007731, Z82181, AC005070, AC007687, Z85996, AP000116, Z98946, AC007899, AC004865, AL109627, Z93020, AC004583, AC005696, AC009721, Z97053, AL031311, AL031681, AC002429, AC004783, AC007388, AF049895, AC005754, AC005160, AC005288, AL035400, AC004477, AL050318, AC007690, AC000379, AC002558, Z97195, AC005412, AC004584, AC004662, AC005901, AL132777, AC005088, Z97054, Z95152, AC002565, AC007617, AC004998, AC005089, AL023553, AP000694, AL049712, AC005829, AL133353, Z99496, AL031121, AC005189, AP000065, AC006007, AC004019, X87344, U80460, AL022336, AL139054, AC002350, AC002044, AL035684, AC006965, AL049872, AC006571, AC009294, AC002347, AC006006, AL139165, Z82188, AC009247, Z84466, Z98200, AC005900, AC003992, AC008134, AB003151, AC003101, AC002059, AC004990, AC007052, AC006120, AC005500, AC005881, AC006060, AC005920, AL034549, AC005225, AC009946, AC007065, AB026898, AL121754, AC005695, AC007533, AC005291, AC020663, AL135783, AL022163, AC005736, AJ010770, and AL031286. |
| HCWTM16 | 1504 | 661569 | 1 - 378 | 15 - 392 | AA852413. |
| HCWTO06 | 1505 | 934912 | 1 - 347 | 15 - 361 | AA666332, AI287475, H72530, AA640410, AA640430, H93453, AI049508, AI366993, AA536016, AW020893, AA478355, R99851, AW360845, AW376931, AI873852, AA679936, AA704393, W52505, AW168420, AI783581, AI732120, AA680243, R98221, H70076, AI110595, |

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| | | | | AL207465, H06140, AL120343, AA961035, AA493894, AA574079, AW020088, A1963221, AA829036, A1311647, A1932599, AA449997, A1085242, AW170729, AL037554, AA935988, AW438539, AL038072, AW023149, AA573631, AL121235, A1282479, A1630643, AC003102, AL078463, AC004382, AL021331, AL031602, U96629, AC002511, AC006539, U47924, AC005209, AC005529, AC004525, AL022165, AL034549, AC002470, AC004655, AL008635, AL035450, AC004743, AL031848, AL035587, AF050154, AL033517, AC006946, AL035691, AC006965, AC007666, AL133448, AC004466, AL031575, AC004787, AC005954, AC004019, AP000700, AC003029, AC004217, AL135744, AC007199, Z68870, AC007842, AC005952, AP000088, AC002457, AC000052, AL021918, AF053356, AC006271, Y18000, AC000159, X69951, AP000352, AC006430, AL049694, AC004386, AC008115, AC006064, AL022476, AL049830, Z98884, AC004526, AL050341, AC005295, AC010722, AC004752, AC005180, AL031053, AC005512, U62293, AC005821, AC007681, AC007225, AC006115, AL031281, AL031229, AC004797, AC011311, AC005772, Z86090, AC003042, AC005884, AC004520, AP000365, AC005102, AC002996, AP000547, AL031286, AC003982, AC006261, AC004257, U95742, AC005736, AC004485, AL132712, AC005903, AC005585, AP000031, AC004551, Z97183, AC008122, AC005829, AC002377, AP000204, AP000126, U07000, Z98941, AC002425, AP000516, AL121603, AC007993, AC006211, AL139054, AC016026, AL049836, Z82208, AC007216, AC005057, AP000338, AP000201, Z98742, AC005908, AP000244, AC005305, AC008041, AC004602, AC005179, AC005670, AC005078, AL049761, AL031737, Z98743, AC004741, AC004694, AL035458, AC004972, AP000216, AC006449, AP000097, AC006111, AC007055, U07562, X77738, AC005920, AL033376, AP000252, Z77249, AC007536, AC004771, AC006511, AL049779, AL096791, AC005099, AC005486, AC005933, AC002119, AC004611, AL109755, AL049759, AC005971, AL021393, AC006441, AL021391, AC006236, U91318, AP000134, AP000212, Z83840, AC005913, AC006160, AP000553, AC004999, AC004686, AF196971, AL050348, AL031311, AC006155, AL049776, AC005899, Z93783, AC005081, AL078621, AC002045, AL020995, AC007688, AC005235, AF129756, AC005476, AC000353, AC009247, AC005049, AC005088, AL035692, AC007011, AL049632, AF001549, AC003963, AC005280, AL133485, AL035423, AF207550, AC004453, AC007685, AC011331, AC008116, AC005330, AL031433, AL034379, AC005562, AL021528, AL031657, AC007308, AC005764, AC005060, AC006011, AC002115, AC005911, Z84486, AC006996, AC005758, AC002544, AC006479, AC005756, and AC000066. |
| HCWTO29 | 1506 | 660457 | 1 - 398 | 15 - 412 |
| HCWTO35 | 1507 | 706525 | 1 - 379 | 15 - 393 |
| HCWTO52 | 1508 | 726444 | 1 - 425 | 15 - 439 |
| HCWTO60 | 1509 | 681257 | 1 - 193 | 15 - 207 |
| HCWTP13 | 1510 | 656678 | 1 - 361 | 15 - 375 |
| HCWTP22 | 1511 | 674158 | 1 - 420 | 15 - 434 |
| | | | | AA843187. |

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|---------|------|--------|---------|----------|---|
| HCWTP76 | 1512 | 731438 | 1 - 515 | 15 - 529 | Z25525, and Z25531. |
| HCWTP77 | 1513 | 529346 | 1 - 399 | 15 - 413 | AL035443. |
| HCWTP90 | 1514 | 788663 | 1 - 380 | 15 - 394 | AA410788, AW130427, AA714011, AA583394, AA644090, AI923052, N23504, AA610509, AA574442, AW148507, AI753113, AW023111, AA191418, AI085867, AL040054, AI123396, AA603530, AA449997, AI962030, AI066646, AW238253, AL037910, AI370475, AA533408, AA659232, AI056177, AA659535, AA601327, AI251576, AA578621, AI278972, AI587583, AI587565, AI908093, AA630672, AL037632, AA833896, AI821987, AA714110, AI732869, AI086603, AW302711, AA579427, AI583466, AA833875, AA526683, AA557982, AA847508, AA702729, AA715814, AA570588, AW188427, AA526326, AW190302, AI279417, AA613624, AI016704, AI755202, AA629540, U48696, J00083, M37468, AF031078, AF030876, U67822, AL109798, U67820, AC004216, AC004408, AC002288, AL109627, AC005104, AF134726, AL020993, AB003151, AC000070, AL023575, AC007376, AC002364, AC005102, AC000353, AC005089, AP000502, AC005520, L78833, AC005305, AL020995, AP000691, AC005529, AC005005, AP000076, AC006023, AC005015, AL049757, Z85986, AC004962, AL049872, AF001550, Z95116, Z97183, L11910, AL031680, AP000689, AL035684, AC004050, AC006511, AC009247, AL133448, AL049766, AC004938, AC007690, AC004834, AC005952, AC005180, AC002546, U91323, U07563, Y18000, AF045555, AC002316, AC005988, AC000039, AL022320, AC003043, AL031056, AP000688, AL022311, AL035659, X76498, Z84469, AC004817, AL022327, AC005291, Z49235, AC005057, AC004967, AP000031, AC002395, AC007298, AC005081, AL136295, AL109801, AL121603, AL139054, AC002306, AL031276, U48697, AC006344, AC004859, AL049569, Z82178, AC003098, AC004813, AC007057, Z85987, AC007510, AP000049, AC005581, AC004883, U85195, AL020997, AC005933, AC002072, U47924, AL121769, AC006132, AL034429, AC004644, AC007450, AF053356, AL035587, AC005227, AC006509, AL078638, AC002219, AC003101, AC004525, Z98048, Z98200, AC004821, AC002369, AP000065, AL133163, AL133246, AL078581, AC008040, AP000311, AC005694, AC002472, AC005261, AC007052, AE000658, AL031295, AC007686, AC005722, Z99755, AC005064, AC005884, AC006538, AC006530, AC005667, AL021328, AP000306, AL035420, AC005037, Z82206, AC006239, AC007435, AL008719, AF093117, AC006953, AP000167, AP000120, AP000052, AC002492, AC005014, AF019413, Z98946, AC002404, AL080243, AC006077, AB023048, Z95152, AP000117, AC005071, AL109758, AC007999, AC002563, AC005736, AC004596, AC006211, AC004253, AC005500, AL049692, AC000118, AC007899, J03071, AC004804, AL049776, AC007731, AL022323, AC000004, U07562, Y10196, AC004815, AP000338, AC004797, AC006111, AC003982, AC005940, AL121653, AC012085, AC006121, AC005841, AC006275, Z93244, and AL031662. |
| HCWTP91 | 1515 | 661551 | 1 - 521 | 15 - 535 | F05533, F05160, AF095687, and AC008039. |
| HCWTR08 | 1516 | 958791 | 1 - 334 | 15 - 348 | |
| HCWTR54 | 1517 | 729290 | 1 - 333 | 15 - 347 | AA904275, AA593471, AW020198, AW167154, AA112924, AA381762, H65464, AI285521, |

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| AI886365, AA808998, AI598003, AW268277, H48546, AW117860, AA365586, AA610255, F32893, AI287964, AA745302, AA664604, AI952786, AA372106, AA310557, AI287921, AI754037, AI859280, AI799421, AL039187, M86058, AW166611, AA779783, F15524, AI014378, F26152, AA381747, AA804925, AI762575, AA574442, T80500, AA342189, AA728937, AA653139, AI452836, AW069450, AA528441, AA076427, AI832865, AI244356, AW383952, AI754689, AI291961, AA569202, AA740403, AI342622, AA579278, AI863399, AA987962, AA837715, AI581486, AI598060, AI471418, AA457754, AW103415, AI016704, H79156, AW189367, AA043218, AC005940, M87914, AC005874, AF134471, AC002565, AC005082, AC007055, AL121657, AC006539, AI006995, AL132987, Z84480, AF053356, AC007226, AC004522, AL136504, AC007151, AF045555, AL035448, AL035405, AL021918, AC005033, AC005954, AP000031, AL031677, AL049780, AL109799, AC005378, AC006137, AC005625, AL031983, AC007263, AL121655, AC002073, AC006544, AC005740, AC006480, AL080242, AL109627, AP000248, AL022332, AC005914, AC002350, AC005081, AL031846, AP000359, AC005924, AC005913, AC008040, AP000354, AL034421, U02068, AC009498, AL031133, AC003083, AC005520, AP000507, AC004921, AL022237, U85195, AC007041, AE000658, AL080239, AB000882, AC020663, AC004841, AC004660, AC004837, AC006468, AC007285, AC007308, AC008033, AL021808, AL121934, AF111168, AC002470, AL031985, AC005358, AC005412, AC002996, Z94056, AI003147, AC006023, D00591, AC004527, AL035542, AC004049, AC005288, AP000210, AP000132, AF091512, A51133, A76958, AF037222, AL049589, AC005409, Z97053, AL008635, AC004400, M87918, AC005796, AL031428, AC007225, AC004859, AP000694, AC007848, AF002993, AC006538, AC007536, AC006080, Z83826, AC002492, AL031053, AL031733, AC002558, AL049557, AC005803, AL135744, AP000255, AC003101, AL049697, AL121658, AL022320, AL021978, AC007011, AC004741, AP000152, AC006501, AC005800, AC004051, AL034555, AF205588, U73023, AL133448, AL020993, AL133246, AP000213, AP000135, AC005907, Z69917, AC007057, AL035089, AL133382, AC016025, AL049776, AC004685, AC004882, AC005821, AC007687, AC007388, D86566, AC004686, AP000208, AP000130, AL109984, AL031255, AC007270, AL022578, AC005291, AP000247, AL049636, AC005993, AC003688, AC005971, AC002394, AC006449, AC005755, AP000498, AC005180, AC004019, AC000381, AL049759, AC006055, AL031681, Z82206, AC005764, AC004150, AL034420, AF222685, AC007537, AB020858, AL049694, AC006455, AC005274, AF190465, AL035450, AC004996, AC004672, AC007899, AC003663, AC007686, AC004812, AC000015, AL008726, AC007735, Z49237, AL035413, D87675, Z49236, AC000353, AC004771, AC005215, AF038458, AL035587, Z73496, AL008725, AL031666, Z99570, AC006126, AC002319, AP000513, AC006285, AC007707, AC002316, U75931, AC005858, AC004821, AP000512, AC007371, AC004072, AC007993, AC005696, AC006977, AC005513, Z82182, AC007021, and AL022326. | | | | | |
| HCWTR77 | 1518 | 659506 | 1 - 380 | 15 - 394 | |

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|---------|------|--------|---------|----------|---|
| HCWTS15 | 1519 | 654317 | 1 - 350 | 15 - 364 | |
| HCWTS84 | 1520 | 669926 | 1 - 348 | 15 - 362 | AB017567, AC005231, AC005911, AL121603, and AC005736. |
| HCWTT20 | 1521 | 669430 | 1 - 422 | 15 - 436 | AW148697, and N75845. |
| HCWTT45 | 1522 | 576720 | 1 - 429 | 15 - 443 | |
| HCWTT47 | 1523 | 706527 | 1 - 342 | 15 - 356 | |
| HCWTT63 | 1524 | 542409 | 1 - 421 | 15 - 435 | |
| HCWTT81 | 1525 | 712302 | 1 - 410 | 15 - 424 | |
| HCWTT89 | 1526 | 786693 | 1 - 393 | 15 - 407 | |
| HCWTU12 | 1527 | 934902 | 1 - 537 | 15 - 551 | |
| HCWTU83 | 1528 | 780917 | 1 - 437 | 15 - 451 | AA468131, A1820920, AW303196, A1696962, AL042853, AA493695, A1284640, AA468022, AA507824, AA478048, AW301350, AA478355, A1821670, AW270382, AA478209, AW149313, A1687343, A1873990, AA618452, AW020340, AA857486, AW274349, A1524360, AW302903, AW275510, A1963720, AA568869, AA515334, A1110844, A1369580, AA515549, F12561, AA847952, A1270117, A1499588, F00107, A1311927, F18164, A1457397, AA541423, AA019312, AA683258, AA468244, A1305766, AA523838, AA720702, AW021735, A1216990, AA661921, AW275971, AW301995, AA618349, A1247199, AL042753, AA640410, AA640430, AL046725, AA483771, AA515909, AL037040, A1567076, A1925579, AL038606, AA490183, A1345157, AW023149, AA834707, AW075948, AA580808, AA192740, AW303002, AA178953, H70994, AW245747, AW028429, AA584581, AA908687, AW193265, A1801482, AA491650, AW088846, AA719292, A1053911, AA188664, D44638, AL038072, AA588001, AA551552, A1567842, A1821494, AW163293, A1732865, AA724333, A1281881, AA548058, A1064952, AA521323, AA521399, AW440545, H18354, C04454, AA167055, A1133164, AL138455, AA493894, AA631507, AL039145, AA351056, AW340844, A1744826, A1254913, A1056177, A1865905, AA702729, AA780944, AL135357, AA523242, AW264934, AW103758, AW069510, AA491862, AA428792, AA410788, AA747070, A1580250, H23653, AL134957, AC007444, AL121603, AC006511, AC006371, AC005701, AC004987, AC008372, U95742, AC006965, AC006323, AC005242, AL009029, AP000459, AC007216, AC005194, AL049874, AL035405, AC007274, AC000353, AC006999, AC003003, AL031003, AB020862, AC007376, AF038667, AC009044, AL009179, AC005004, AC006211, AC005772, AC005884, AC007382, AL031666, AC004903, AL132826, Z98941, AC006336, D83989, AC004686, AC005230, AC004861, A1239322, AC006998, AC004531, AF001549, AC005146, AC010202, AC004966, AC007666, AC004650, Z98744, AL035448, AC001231, AC007684, AL050318, AC005209, AC006479, AC005026, AL109985, AC006044, AC004858, Z93023, AL050308, AC005330, AP000055, AP000170, AC007270, Z99716, AC005291, AC003692, AC006058, AC004865, AC005768, AC007298, AC004519, U57008, AC005815, AC002299, AC002984, AC006960, AP000962, AL133445, AC005011, AC006004, AL034420, Z82198, AC005358, AC004611, AC007226, AL031668, AC004010, AC000052, AL118510, AL133399, AC005180, AL031429, AC008079, X54179, |

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| | | | | | AC002425, AC005968, AC005567, Z82210, U75931, AL022240, AF196779, AP000049, AL023575, AC004945, AL049869, AL132985, AL049829, AL031446, AC004901, AC005787, AC006203, AC007051, AP000311, AC008055, AF165142, AC002402, AL023579, AF091512, AC004879, AC004690, AL096774, AC007488, AC002531, U18392, AL109865, AL122021, AL031681, AC008064, AL121694, AC007685, AC008080, AC004151, AL109847, AC004019, AC008101, AL136295, AL022163, AC005529, AC004741, AC002312, AL022400, AC005921, AC002558, AL109755, AC002378, AL021877, U62293, AF053356, AC004979, AC006512, AL023755, U81831, AC005193, AF090940, U07562, AC000025, U18394, U91322, AB020859, AC006205, AL008633, AC005527, AP000168, AC010072, AC005535, AC005411, AC004821, AC007263, AF042090, AC003982, Z68756, AL079340, AC006039, AL096712, AC003688, AC007919, AC007324, AC005488, AC012627, AC007011, AC002395, AL031281, AC004259, AC004070, AL023284, AC008009, AL031767, AC008119, X75335, AL049795, AL049797, AJ006996, AC012599, AL078603, AC007021, AC005520, AC005154, AL030997, AC004638, U91319, AC005376, X87344, AL031012, AP000693, AC002289, X54181, U67831, AF049895, AC008127, AL121934, AC007308, AL021808, AC010170, AC004972, AC004600, AL031390, AC005084, AL049709, X76666, AC006344, AC002073, X55926, AL035703, AP000088, U57009, AC002350, AC005253, AC009227, AC002564, AL022322, AC004884, AL023879, U95740, AC000111, AC006285, AF015148, AB020868, AC007848, AL049780, AP000959, and AC006530. |
| HCWTU84 | 1529 | 666642 | 1 - 153 | 15 - 167 | |
| HCWTV17 | 1530 | 725862 | 1 - 416 | 15 - 430 | AI674544, AA291234, AA284361, AW361644, and AB020718. |
| HCWTV62 | 1531 | 742696 | 1 - 564 | 15 - 578 | N83991, N84712, N88601, N88782, N89520, AA093224, N84830, AA247964, N84855, N83992, N86694, AA095359, AA247827, N84048, H58760, N84718, N55698, AA096066, N83993, N83168, AA096046, AA471338, AA095641, N88518, N84829, AA093861, AP000528, AP000529, S78798, AF103726, U48696, AF045432, AF032922, AF102850, AR066487, AF039698, U39066, AJ243486, and AR066480. |
| HCWTV73 | 1532 | 574912 | 1 - 535 | 15 - 549 | AC006013. |
| HCWTV88 | 1533 | 861846 | 1 - 543 | 15 - 557 | |
| HCWUA19 | 1534 | 668355 | 1 - 399 | 15 - 413 | AL044458, AA610644, H57752, H57751, W27084, AI114772, AI890971, Z99716, AC005180, AL031311, AC006271, AC004883, AC000353, AC007226, Z84469, AC009399, AC005763, AC005015, AD000092, AL031427, AC007993, AC005520, AF111168, AF165926, AC005703, AC006057, AC002461, AC004019, AC004881, AC007666, AL023803, AL050334, AC005011, AC004477, AC007193, AL035420, AC000052, AL031286, AL021707, AC007240, AL109984, AC004859, AC005829, AC005244, AC005940, AC005081, AL049538, AC006449, AC002299, AC004228, U73479, AC006139, AP001068, AL031584, AC008125, AL049872, AL022313, AC007057, AC005231, AC009542, AF053356, AL031678, AC002544, AP000558, AL035423, AJ011930, AC002312, AL008723, AP001053, AC002425, AL023284, AC007421, AC002350, |

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| HCWUA23 | 1535 | 577964 | | | | AC005243, Z95116, U47924, and AL117352. |
| HCWUA43 | 1536 | 715000 | 1 - 407 | 15 - 421 | AC005837. | |
| | | | 1 - 369 | 15 - 383 | T07420, D51809, AA769056, AA808064, AA715709, R82432, T03401, AA715507, AA669616, AA632836, AA411741, W39287, W60522, AA445951, AA427808, F10773, AA812542, AA320941, AA745373, AA461274, AA397415, AA513484, N30876, AA577706, N44146, AI819391, AI903464, AA244267, AI249365, AI174489, AI884922, R53995, AA741403, W96522, AA325787, AA601390, AA343014, T41164, AA610381, N27615, AA470567, AA634926, AA907222, AA594179, AA780906, AA078428, AA487720, AA668166, AA774119, C15362, T41132, AA730359, AI252010, AI252880, AI583448, AI903448, AA355128, H29960, AI799421, AA058499, H94979, AA740571, AA648560, AA130855, AA216375, AA508026, R94909, AI671077, AI929298, AI929825, AA206594, AA376358, AW157180, AA663437, N40760, AL135018, AA635413, AA716440, AA594746, AA598740, AA600127, AI866377, M78065, AI038577, AI933478, AA508444, AA010973, R83878, H53109, H52053, N72439, AA532732, AA084439, AA827383, AA351808, AA653503, N73724, AI872073, AW342143, AA745302, AW272389, AA649488, AC006388, AC005081, Z99127, AB003151, X69951, AB020865, AP000300, AP000045, AP000113, AC006509, L13711, AC002401, L44140, AF111163, Z74739, AC004408, AC004616, AL050321, AF069074, AF125348, AC002425, AC005017, Z94056, AC005338, AP000565, AL008707, AP000557, Z98855, AF181897, AL096843, AL031431, AC002544, M84472, AC004755, U34879, U63721, AL021707, AC000024, D87011, AL078596, U91326, AL031664, D88270, AL050404, AP000563, AP000133, AP000211, AC004687, AF012339, AC005514, AL031602, AC002375, AL034350, AL079303, AC005015, AL096766, AL049761, AC005837, L35532, Z68162, AL031657, Z82203, AC008115, AC006064, AC005280, M22469, M18000, AB022537, AP000353, AP000354, U91323, AC005740, AC009802, AP000556, AF112441, AL031186, AC004583, AC007666, AP000497, AC007510, AL133249, U52112, AC000052, AC005722, AC004019, AR062818, AC005355, AL050332, U89337, AL031672, AL050341, AC002565, AC006146, AC005316, AC005026, AC005011, AC005317, AC007486, AC021092, AC000086, AC006273, AP000228, AP000140, AC006966, AL031005, AC005996, AC004000, L78810, AC005486, AP000088, AF129756, AP000270, AP000032, AP000555, AP000291, AP000256, AC005372, AC005868, AP000098, AP000111, AL034451, AC005208, AC006571, AC007226, AC005846, U17576, AB001907, AF195658, AL023694, AC005543, AL096794, U82668, AL049538, AL035659, Z82195, AC006014, AC004817, Z98044, AL033504, AL121603, AC007993, AC020663, AC005488, AL049780, AC006530, U68061, U95090, AL049856, AC005775, AC004825, AL021154, AC004253, AL009031, AL021578, AC002326, AL135744, AL050140, AP000699, AB029020, AP000348, U07563, AL049734, AC004659, AL035603, AL132800, Z99716, AC005602, AL035551, AC004070, AC002412, AL035455, U52111, AL021808, AC005747, AL035089, AC007637, AL135960, AJ131016, AL110505, AC004750, AC005568, AC005744, M26434, AL035398, AF045555, AP000502, AP000161, | |

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| | | | | | AC003042, AC002115, AL033538, AL008730, AL031781, AP001054, AC004835, AL035696, AC005244, AC005005, AC002352, AC005828, AC007014, AC012384, AC016027, AF134726, AC016830, AC003101, AC007450, Z83844, AC007917, AC004185, AC006047, AC001643, Z82248, AC004156, AC004560, AC006561, U62293, AC003026, AL035072, AC005031, AL031284, AL033530, AC005480, AC005250, AL021328, AC005057, AP000509, AF030453, AC004706, AC006344, AF207550, and U91327. |
| HCWUA90 | 1537 | 706532 | 1 - 360 | 15 - 374 | |
| HCWUB03 | 1538 | 923556 | 1 - 446 | 15 - 460 | |
| HCWUB08 | 1539 | 958770 | 1 - 392 | 15 - 406 | <p> AI633478, AA652675, AA489390, AL044458, AA693433, AF114095, AI080086, AA630476, AI567976, AI623505, AA369494, T41235, AW162664, AW439455, N24046, AI821287, AA502660, AA502509, AA167178, N70293, AI869094, AW085751, AI014872, AA341391, AA659303, AI821605, AA650288, AI640905, AI625042, AA599712, AA622637, N62478, AL042731, AA507499, AW328185, AI214574, R43468, AA829795, AI690379, AA595661, T62614, AA854460, AA648942, AI500151, AI392771, N92752, AI935827, AI540319, W04238, AA228268, H65404, AI753131, AC005048, AC007964, AL050307, AC004966, Z69650, AC004802, AL078581, AL049843, AC005839, AL050318, AP000497, AL132987, AC005516, AF031076, AL035684, AC004967, Z93931, L47224, L47225, L47226, AC002401, AL031295, AC005288, AC004213, AL022723, AL096716, X59875, AF060911, AC010349, AC004856, L09706, AP000250, Z98272, AC005257, AC005202, Z84721, AP000251, U62293, U63721, AC007536, Z81364, AC003109, Z98051, Z93244, AC005994, AC004874, Z99291, U78027, AC005057, AP000211, AP000133, AP000030, AP000502, AP000065, AL049757, AL035420, AL021393, AL034423, AL008721, AL035458, AL034420, Z98742, Z93017, Z93928, AC002039, AC007845, AL050343, AL035422, AC005343, AC003665, AP000248, U07000, AL024507, AL132716, AL049646, AP001046, AC005137, AL117337, Z98884, AL031584, AP000501, AC016025, AC007686, AL133163, AC005726, AL049779, AC005291, U91322, AC004019, AF205588, AL050323, AC006274, AL133404, Z97183, Z97184, AC004125, AC002504, AC004668, AC002433, AC004962, AL033527, AC004073, AC007879, Y14692, AP000269, AP000103, AP000033, Z97876, AC006162, AL109798, AJ010598, AC005361, AF200465, Z85986, AC004805, X87344, AC004526, AC005681, Z48051, AC002049, AC006125, AC002054, AL049540, AL035588, AL049690, AC002472, AC007664, AC006115, AC008018, AL121652, AL135744, AL049872, AC004000, AC000045, AC005358, AC005180, AB023178, AC003030, AP000152, AP000010, AC005231, AC004850, AC005822, AL049569, AL049776, AF031078, AF209704, AC005484, AF043233, U21936, AR022305, M14949, AF030876, AB007874, M31061, M33764, AC002551, X16277, M81740, X69907, AR007118, AF106656, AL023577, AL031845, U73640, AC005779, AC002103, AC004754, AC007201, AC005175, AC005944, Z81367, AC006167, AC005372, AC000401, AC005937, Z82901, AL049576, AL031321, U71148, AL021453, AC005755, AL133382, AC004776, AC006468, AC004771, Z97352, AL031597, and </p> |

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| | | | | | | AP000503. |
| HCWUB74 | 1540 | 765274 | | | 15 - 360 | |
| HCWUB83 | 1541 | 853008 | | | 15 - 448 | AA804937, AI554512, AW084364, F03946, AL049761, Z93241, AL049631, AC018633, AC006443, AC004966, AC002045, AC005280, AC005484, AL035450, AC005940, AC005086, AC005562, AL132642, U91318, AL031670, AC006946, AC004217, AC005670, AL050307, AL031577, AL008628, AF047825, AJ251973, AC005305, AC006581, AC009516, AC004967, and Z81365. |
| HCWUC39 | 1542 | 572977 | | 1 - 419 | 15 - 433 | |
| HCWUC64 | 1543 | 588122 | | 1 - 300 | 15 - 314 | |
| HCWUC94 | 1544 | 721663 | | 1 - 487 | 15 - 501 | |
| HCWUD64 | 1545 | 746332 | | 1 - 348 | 15 - 362 | AI902698, AL121235, R76463, AI633479, AI828710, AA679936, AI732120, AA680243, AA478355, AA493894, AA654781, AI873852, AA366312, AL119649, AA018823, F00231, H84435, F00984, AI088768, F05324, AI049508, AL121207, AA618596, AW003867, AA012964, R86218, AA219150, AI536932, C14877, C14616, T84449, AA728990, AC002395, AC005071, AC004656, AC004159, AF038458, AL035405, AC004760, AC010205, AC005409, AC000159, AC005576, AC004983, AC006111, AC006050, Z85986, AC005484, AL121595, U95090, AC004841, AP000365, AF001550, AC004019, AC004253, AC006947, AP000514, AC004084, AC007637, AC006468, AL049781, AL050317, AC020663, AF111168, Z98752, AL034429, AC002404, AB003151, AP000688, AC007308, U73167, U90094, AC005399, AC009181, AL117338, AF200465, AC005619, AL031651, AC006211, AP000010, Z99716, AC007371, AL031311, AC004520, AL080243, and AC005943. |
| HCWUD83 | 1546 | 827340 | | 1 - 429 | 15 - 443 | AI657485, N87188, AA825827, U48697, AJ243486, U48696, AR018815, AF045432, U39066, AL031276, AC004223, and AC004596. |
| HCWUD85 | 1547 | 529221 | | 1 - 282 | 15 - 296 | AC004582. |
| HCWUD93 | 1548 | 574856 | | 1 - 305 | 15 - 319 | |
| HCWUF05 | 1549 | 849929 | | 1 - 213 | 15 - 227 | |
| HCWUF30 | 1550 | 691734 | | 1 - 458 | 15 - 472 | AA585101, AI525431, AI525556, AI540967, AI541374, AI541365, AA585476, Z30131, AI541535, AA585439, AI541514, D61254, T23957, R29445, R28735, T11028, AI546999, AL037436, AL037435, AI541523, AI546891, AI547039, AI525306, AI557731, C16300, T23985, T41289, R29177, AI525316, AI546945, AI526073, Z28355, AI557807, AL040463, AL039915, AL043612, AL041197, AL040155, AL041346, AL041096, AL047012, AL041358, AL041277, AL041163, AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496, AL041296, AL041233, AL043444, AI541307, AI541017, T23888, AL045725, AI525320, AL041140, C16305, AL040193, AI557262, AL047219, AL041227, AL047057, AI526140, AL047170, AL040119, AL047036, AL040553, AL041292, AL041051, AL047183, AL040322, AL041131, AL046330, AL041133, AL041238, AL041142, AL045817, AL040529, AL040625, AL040510, AL043467, AL040149, AL044186, AI557787, AL044037, AL040091, |

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| AL040128, AL040168, AL040255, AL040285, AL040342, AL040332, AL040617, AL045684, AL040745, AL040370, AL043677, AL040238, AL046442, AL040839, AL041752, AL043775, AL044165, AL043492, AL041602, AL045920, AL038838, AL044074, AL041635, AL045990, AL040458, AL044199, AL044187, AL037443, AL040090, AL040263, AL040294, AL040329, AL040082, AL044272, AL041186, AL040148, AL041730, AL041523, AL043627, AL041159, AL046392, AL041374, AL040052, AL043845, AL039338, AL042135, AL044064, AL038983, AL039316, AL043923, AL043814, AL043848, AL041459, AL043570, AL043537, AL041577, AL044201, AL044258, AL046850, AL038532, AL040768, AL037727, AL046994, AL040414, AL040571, AL046914, AL040253, AL142134, AL037341, AL037323, AA585453, AI535639, AL040576, AL045753, AL044274, AL079878, AL049018, AL040444, AI541390, AI556967, AL045857, AI557799, AI541013, AL041278, AL041168, AL038822, AL045671, AL039744, AL041246, AL044125, AL041347, AL044529, AA174170, AL046327, AL049069, AI546828, AL040472, D57491, AL040075, AI546875, AI546855, AL041955, AL038761, AI536138, AI525328, AL037295, R29218, AI541510, AL045989, AL080031, AI557238, AI526184, AI541508, AL046147, AI541534, AL042096, AL041210, D55233, AI526187, AL039643, AL039360, AL037335, AL045211, AL037343, AL079852, AI541345, AI239433, AI526194, AL037279, D57186, AA585155, AI541205, AI541509, AI557734, C15189, AI557796, AL043440, AA585356, AA585434, AI526196, AA283326, C14723, AI535660, AL043941, AI557727, C16293, AI540920, AI525653, R28895, R45895, D61185, R28967, R28965, AI525339, AA585440, AI557763, R28892, AI557740, AL134524, Y16359, D78345, AR038762, A25909, AR062871, AI244005, AI244004, AR038855, AF082186, AR062872, AR062873, AI244003, AR017907, A20702, A20700, A43189, A43188, A85395, A85476, A98767, A93963, A93964, I63120, A98420, A98423, A98432, A98436, A98417, A98427, X83865, I44681, AR037157, I66487, A91750, A84772, AI244007, A84776, A84773, A84775, A84774, AR054109, AR067731, AR067732, A86792, A58522, I15717, I15718, X81969, U94592, D50010, I13349, A60212, A60209, A60210, A60211, A18053, M28262, I08396, E03627, I48927, A90655, A02712, A77094, A77095, A81878, A95051, A18050, A23334, A75888, I70384, A64973, A60111, A23633, AR007512, AR031566, I84553, I84554, I00682, A11623, E00609, A11624, E13740, A11178, E01007, A10361, I06859, I08395, AR043601, A35536, A35537, A02135, A04663, A02136, A04664, A11245, I18895, I03331, A02710, E12615, AR035193, A92133, E14304, A07700, A13392, A13393, I62368, AR031488, I13521, I52048, A27396, I49890, AR027100, I44531, I28266, I21869, A91965, I44516, A70040, E16678, A82653, E16636, A93016, A24783, A24782, A95117, A58524, A58523, AR038066, AF149828, Z32836, I01995, I25027, I26929, I44515, I26928, I26930, I26927, I08051, Y09813, AR008429, I60241, I60242, I05558, AR009151, A20699, E00696, E00697, E03813, I66482, I66485, I66483, I66484, I66498, I66497, I66496, AR027099, I66486, AI230935, AR051652, AR051651, X07299, AI230902, I19525, E12584, AI243486, D13509, A22738, I08389, D13316, AI230972, AB025273, AR051957, AI231009, A70872, A70869, AR035975, AR035977, | | | | | |
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| | | | | | AC005913, I18302, AJ231028, E17098, I66495, I66494, AR064707, A22734, AR022273, AR035974, AR035976, AR035978, AJ230951, AR054723, AJ230867, AJ230845, I36244, X55486, AR051864, AR018815, AR051865, A06631, S60422, AJ231011, AF045432, AR063812, A24548, U39066, U48696, A24546, Y14219, U48697, I05845, X82786, AJ230996, AJ244006, X76012, I03669, I03668, A16035, AR009152, I33632, AR003381, X99056, I66481, A83642, A83643, I15353, X99052, A68112, A68104, Y16299, X99058, X99051, AF011573, I66488, I66489, I66490, I66491, I66492, I66493, A83151, E03654, A05993, and A05975. |
| HCWUF40 | 1551 | 703804 | 1 - 313 | 15 - 327 | |
| HCWUF46 | 1552 | 656680 | 1 - 435 | 15 - 449 | AL135783. |
| HCWUF54 | 1553 | 933212 | 1 - 232 | 15 - 246 | |
| HCWUF84 | 1554 | 686711 | 1 - 162 | 15 - 176 | AI032481, and AF049579. |
| HCWUG43 | 1555 | 697616 | 1 - 388 | 15 - 402 | AL035530. |
| HCWUG59 | 1556 | 573548 | 1 - 396 | 15 - 410 | AL134048, AA248952, AL049742, and AL022240. |
| HCWUG93 | 1557 | 920882 | 1 - 229 | 15 - 243 | |
| HCWUH17 | 1558 | 662478 | 1 - 280 | 15 - 294 | AA632445, A1424340, T98279, AA719535, and AC004749. |
| HCWUH25 | 1559 | 677747 | 1 - 397 | 15 - 411 | AA374775, A1252506, AA643442, AA568298, A1580906, AA834731, H45320, AA223932, A1471887, AA601318, A1016704, A1057350, AA446767, AA643448, AA643444, AA08796, AA643452, AA643454, AA643457, R95060, AA429371, AW169581, T40452, AA501762, H10143, A1205009, AJ340641, AA602438, AA090344, H10859, AL039187, AA812094, A1812082, AW265073, AA630834, AL037040, AA341263, AA814778, AA669434, W69364, AA808263, A1298246, AA610491, A1344812, A1932599, A1344464, AW268973, AA528603, A1754661, AA493864, AA664790, A1277226, AC002364, AC005159, Z93018, AC006213, AL049736, Z99716, AC005972, AF015722, AC007541, AB000880, AC004180, AC004517, AP000507, AB000882, AC004534, AC007556, AL117337, AC007052, AL133445, AL023284, AC008033, AL031132, Z98742, AC005548, AF205588, U91326, AC004448, AC007281, AC007542, AL022313, AL096773, Z85986, AC005901, AL021069, AC004042, AC010206, Z69838, AF196969, AC002544, AC005193, AF165926, AJ229041, U57645, Z82181, Z68162, AF124731, AC006537, AL031257, AC004558, AC012627, AL031904, AF015720, AP000511, AP000097, AL049776, AL079339, AP000154, AP000012, AL034370, AP000961, AC006487, AL080242, AL049635, AC009721, AC004968, AC005288, AC005841, AC002036, AC004099, Z93020, AC004257, AL022237, AC004508, AL109963, AL031055, AL132987, AC005261, Z98950, AC007879, AC003041, AL031659, AC007051, Y11493, AB020715, AC007066, AL031685, AC004024, AP000495, AB016897, AL133163, AL031277, AC005152, AB007955, AL109610, AC006167, AL031057, AC006027, AL021453, AC002551, AL035419, AC006141, AC007324, AL022326, AC005153, AC004849, AC008101, AC004821, AC008079, AC007041, AC006538, AC004125, AC005291, AC004933, AL117342, AC005832, AC005531, AL049777, Z86090, AC005498, AC004934, AC002470, AC004227, AC007240, AF064861, AL033527. |

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| | | | | | AC005277, AC006120, AC006070, AC009464, AC005378, AC007032, AL132642, U66060, AC004671, AC005375, AP001136, AL035072, AL049653, AF091512, AC003662, AL022163, Z83838, AL050308, AC008394, AF048990, X83116, AC007917, AB023050, AP000202, AC004799, AC007191, AP000241, AL031662, Z97629, AC007038, AL096799, AP000503, AP000504, AC004519, Z99128, AL020997, Z97192, AL035469, AL022238, AF129756, AL135744, AL13244, AL021940, AC007368, AC004896, AL031985, AC006016, AC005535, AC004477, AC004967, AL022324, AL022315, AC006077, AF130343, AP000143, AC004996, AC006978, AC005681, AL022316, AC006050, AL139054, AF196972, AR038761, AL022476, AC006064, AL118498, AC005257, AL035450, and AP000558. |
| HCWUH85 | 1560 | 752790 | 1 - 366 | 15 - 380 | AI460103, AA574077, AL049780, AC007055, Z84469, AC005187, AL133246, AL022163, AP000336, AP000215, AC003667, AP000156, AC004841, AL035653, AC005746, AP000014, Z99496, AC009721, AL021453, AC004024, AC004584, AC004616, AB003151, AP000688, and AL049776. |
| HCWUJ10 | 1561 | 964028 | 1 - 390 | 15 - 404 | |
| HCWUJ17 | 1562 | 662483 | 1 - 374 | 15 - 388 | CI4614, AI199949, AI189004, AI963797, AA525071, C75012, AJ010597, AC005730, Z69650, AC005516, AC002465, AC005726, Z82190, AC005406, AC005530, AJ006995, U47924, AC006547, Z94277, AC001551, AC005664, AC005859, AC002350, AC005971, AC006013, AL109801, AL049843, AC000075, Z93244, AC005031, Z98950, U80017, AB023048, AP000511, AC002347, AL022723, AC007386, AL122003, and AC004477. |
| HCWUK13 | 1563 | 656679 | 1 - 378 | 15 - 392 | |
| HCWUK56 | 1564 | 733122 | 1 - 443 | 15 - 457 | AF186189. |
| HCWUK77 | 1565 | 771883 | 1 - 513 | 15 - 527 | AC007681. |
| HCWUK95 | 1566 | 615550 | 1 - 266 | 15 - 280 | |
| HCWUL03 | 1567 | 923572 | 1 - 478 | 15 - 492 | |
| HCWUL19 | 1568 | 668361 | 1 - 301 | 15 - 315 | |
| HCWUL24 | 1569 | 968380 | 1 - 413 | 15 - 427 | |
| HCWUL32 | 1570 | 523358 | 1 - 301 | 15 - 315 | |
| HCWUL36 | 1571 | 849901 | 1 - 424 | 15 - 438 | |
| HCWUL47 | 1572 | 720024 | 1 - 513 | 15 - 527 | |
| HCWUL69 | 1573 | 740373 | 1 - 244 | 15 - 258 | AI657485, N83963, N87188, N83707, U39066, U48696, U48697, AR018815, AF045432, AF011573, AF102850, AI243486, AF001863, AF061744, X99056, X99055, X99052, Y16299, X99058, X99051, Y07542, X99060, and X99057. |
| HCWUL74 | 1574 | 690750 | 1 - 354 | 15 - 368 | |
| HCWUL83 | 1575 | 527566 | 1 - 543 | 15 - 557 | |
| HCWUN05 | 1576 | 928191 | 1 - 287 | 15 - 301 | F35659, AW074398, AA308806, AI499094, AW069807, F31204, AA365347, AI110770, AI914706, AA558697, AI284640, AI471481, AA515128, AA228329, F36273, F19258, AA318652, |

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| T71998, AA729264, AI610159, AA551509, F37286, AA077935, R72392, AA515435, F35113, AA580662, AA593060, AI536555, W60516, AI003172, AA059154, AA362700, AI205126, AI561335, AA584749, N71724, AI742771, F32894, AI830390, AI053672, AW419262, AA559290, AI298710, AI334443, AA340003, AI446601, AA363501, AI963720, AI015912, AI557323, AI863283, AW264959, AA133986, AI886629, AI561060, AA366035, AA584458, AW264973, AW265197, AA658235, T07451, F26152, AA098922, AA077817, AA366820, AI446464, AI286356, H64777, F29989, AI349874, F28576, AI569086, AI688846, AI110822, AA350859, AA292574, H64560, AA095511, F25135, AA176924, AW337985, AW088058, AL046409, AW166815, AA578141, AI079910, AW193265, AL041368, AA428414, AI350211, AW130799, AI445436, AI890052, AI624698, AA919037, AW193432, AI963786, AI138455, AI281881, AI358229, AI879000, AA535661, AI061334, AI282907, AW188544, AI886176, AI431303, AA434484, AI287528, AW406755, H16048, AA878495, AW238016, AA747472, AL079645, AI365988, AI613280, AW303876, AI064864, AW276827, AA344959, AW406447, T16592, AI951889, AI951928, AI341664, AW339687, AL042856, AI281903, AA775049, AA581914, AL138265, AA973575, AI635272, AW072433, AA605274, AA838309, AW339568, T40338, AA377730, AL120483, AA743956, AA654627, AI761471, AI474713, AI648558, AI216799, AA491814, AA626678, AA745582, AA361344, AI859251, AA714595, AI871992, F18974, AA652057, AA649642, AA641989, AA856981, AI434706, AI565245, AW406162, F24284, AA669840, AA826032, AI887483, AW175641, N43757, AI287651, AA744074, AA745355, AA744088, AL079935, AI962050, AA557325, W95976, AA837755, AW264969, W95841, AL041690, AI266576, AA557879, AW029038, AA610491, AA733208, AI344844, AA579249, AW327360, AI375710, AI917271, AW408717, AA569187, AA310158, AA228420, AA450199, AA515051, AW270270, AA843450, AI312149, AA229785, AI358343, AI814735, AA745410, AI929531, AI872421, AW162489, AA378623, H92005, AI493634, AI246409, AA177061, AI148277, AI279165, R68874, AI279700, AW022046, AA664535, AI037914, AI270343, AW172727, AA654968, AI003743, AI921649, AL039958, AI653886, N23649, R93061, AA654771, AA125788, N25296, AW236342, F32705, AW439558, R91994, AI890928, AI299050, AI890923, AI904894, AW162049, AA650244, AI890570, AI376100, AL042420, AL120687, AA553436, AI016000, AI053816, AI054246, AF042090, AC008173, AP000556, AP000552, AC007682, AC005815, AC005011, AL109985, Z99495, M87918, AL049562, U34879, AP001172, AL132994, AP000558, AC005592, AL023799, AL096861, AC006367, AP000557, AC009516, AC007285, AC003992, AF148319, Z97876, AC000118, Z93024, Z98172, AC004467, AP000555, AL079340, AL031770, Z82210, AC007537, AC007488, AC006255, AL031428, AL121748, AL031542, Z65382, AC005619, AP000263, AP000100, AC006344, AP000036, AC006143, AF126403, AP000018, AP000159, AC005866, AP000855, Z98884, AC005324, AC006128, AL049845, AL109807, AC002364, AL034402, AC005030, Z97200, U02058, AC003006, Z84490, AC005412, Z68881, AL034452, AL049697, AL121603, AC005495, AL031116, AC004495, | | | | |
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| | | | | | AL049643, AC006006, Z82198, AL049588, AC004993, AC007151, AC006045, AL031054, AC004893, AF023460, AC008928, AC005856, AF020503, L13713, L13706, L13714, M87916, AC004542, AL035089, AL049869, AC005066, AF077058, AC004861, AC006277, AF181896, AP000095, AP000239, AC006960, AC007632, AL109622, AL110502, X55925, AC007191, AC006323, Z95113, AC004016, AC002379, AC004638, AC006251, AP000402, AC004894, AL080285, AL049776, AL031803, AC007666, X75335, AC006336, AL021453, AF072099, AC006374, AC004184, AC003971, AC006071, AC004935, AC004111, AC002482, AC006205, AC004466, AC010072, AC006019, AC007099, AC007690, AC005154, AL033381, AC008040, AC005331, AC000052, AC001164, AP000306, AC007114, AP000299, AL023882, AC004799, AP001042, AP001043, AP000047, AC004940, AC006561, AL008709, AL031732, AL118497, AL096774, AF003627, AL133399, AL008728, AC007160, AL035593, AL031777, AC006525, AL132776, AC002564, AC005250, AL031686, Z98043, AL049635, AB020859, AP000045, AP000113, AP000115, AF017257, AL035446, Z82975, AC007043, AC004987, AC004918, AL031276, AC004130, AL031256, AC004222, AC005002, AJ006998, AL049709, AC006315, U80017, AC008062, AL031224, AC004848, AP001038, AL031650, AL022724, AC004931, AC004453, AC004695, AC006195, AL078603, AC004990, AL023803, AC007510, AC004626, AC006213, AC010205, AL031584, AC005912, AC005409, AC009178, AC006305, AP000567, AL133238, AC003986, AC006043, AC005284, AC009891, AC007298, AF001549, AC005069, AC004381, AL034384, AC002523, AC002429, U66059, AC004526, AL078477, AC005084, I51997, U02063, AP001068, AC005745, AL050341, AC006476, Z97056, AC003070, AC005099, AC007262, AC005157, AC009802, U18391, AC007277, AC007773, AL079295, AJ229042, AC005808, AC005251, AC003104, AC000159, AL049761, AC005541, AL109760, AC002401, and AL035458. |
| HCWU010 | 1577 | 861840 | 1 - 480 | 15 - 494 | AA584620, AW192373, AI049504, AI917132, AA904211, AI307563, TS6119, AI540840, T57767, AA158549, AA829044, AI114704, AI792539, AW272294, AA225406, AI049845, AI636734, AA634786, AW082076, AA491767, AL079894, H71678, AW157005, AI917904, AI244157, AI581486, AI800426, AA528390, AA992126, AI801505, AW237905, AI028510, AA564582, AI270370, T50676, AA158759, AA629836, AA551548, H79308, F33138, AI708005, AA527209, AW028950, AL046519, AW438850, AW438662, AA742815, AW302017, AA714110, F17416, AA570441, AA595661, AA326014, AA297666, F24728, AA468505, AA612727, AI003086, AA657835, AI031759, AA526643, AC006538, AL080243, AF053356, AC002511, AC005722, AL034420, AC005324, AC004797, AC007546, AC008372, AC005015, U91321, AF196969, AC004975, AC006441, AC004787, AL031577, AC006511, AC002350, AC005598, Z98742, AC005529, AC004854, AL022311, Z82245, AC005696, L44140, AL117338, AL035587, AL133353, AC005527, AC004983, AC006057, AP000350, AL031005, Z82184, AL035071, AC006505, AP000359, AF047825, AF196779, AL033392, AC003982, AC003108, AC005666, AC004876, AC004887, AL109627, AC005695, AL031683, AC020663, AL031291, AL096791, |

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| | | | | | AC004890, AC005622, AL121655, AC006312, AP000501, AC005231, AC007934, AJ246003, AC004655, AC005086, AL133448, Z93930, U07563, AC004020, Z95115, AP000555, AC007030, AL133371, AL021154, AC004525, AL031774, AC002551, AC007786, AL035415, AC004491, AC005071, Z99916, AJ003147, L78810, AL050318, AC002312, AC005578, Z84476, AC005327, AL109939, AL078581, AL049757, AC002476, AL109984, AC005619, AC008044, AC005412, AC005594, Z99943, AC005088, AL023807, AC000039, AC007917, U63721, AF001549, AC003101, AC006965, AL024498, U85195, AC005288, AL031846, AC005924, AC005081, Z98743, AC006512, AL109623, AF111168, AL049712, AC007637, AF129756, AP001052, AC004832, AL034548, AC006449, Z68273, AL031282, AC005844, AP000557, Z98941, AF124523, AC007421, AL023553, AC006254, AL049869, AF196970, Z98048, AL022163, AL049650, AL049776, AL022476, AL031721, AF030453, AC002300, AL020997, Z93017, AC005914, AC005784, AC004150, AC002563, AC005099, AP000275, AL031255, AE000658, AC002565, AC004257, AP000355, AL031685, AL031283, AC004913, AC007731, AC004777, AC006536, AC004967, AC006509, AC005755, AC005500, AC006960, AL031311, Z99716, AC003003, AC005971, AP000252, AC004611, AC006050, AC007226, AF024533, AF126403, AC005067, AC006950, AL109847, AC006261, AC004382, AL008715, AL031848, AP000553, AP000105, AP000037, AC005746, AC004584, AL109628, Z93244, AL121825, AC007707, Z85986, AC004448, AC005049, AC002302, AC004084, AC005399, AC004815, AL022313, AC007283, AC004560, AL034402, U95739, AL021940, AC002997, AC004928, AP000466, AL049653, AL035400, AC001231, AC004813, AC006211, Z83851, AL034423, AC004883, AC006160, AC004755, AL022316, AL121603, AC005726, AC004209, AC005874, AP000121, AF134471, U91323, AL109798, AC007868, AC007011, AC002368, AL136168, U73634, AC005779, AC004905, AL031845, AC002544, AL049576, AC007240, AC008123, U29895, AC008033, AC008018, AC007686, AF184614, AC002314, and AC005972. |
| HCWUO81 | 1578 | 756978 | 1 - 439 | 15 - 453 | AW440373, AW139492, AC004150, Z98747, AC007204, and AC006539. |
| HCWUP64 | 1579 | 746328 | 1 - 264 | 15 - 278 | |
| HCWUQ02 | 1580 | 968431 | 1 - 483 | 15 - 497 | AI657485, AF102850, AF001863, AF061744, AF045432, AJ243486, U39066, U48696, U48697, AF011573, and A70147. |
| HCWUQ77 | 1581 | 719064 | 1 - 379 | 15 - 393 | |
| HCWUR43 | 1582 | 714529 | 1 - 542 | 15 - 556 | AI054414, AF001552, AC005209, AC006312, AL022313, AF134726, AL009181, AF109907, AC005940, AL021937, AC002477, Z99716, AC005288, AC004382, AP000553, AF111168, AL022315, AC007227, AP000557, AC004975, D87675, AL034420, AC004922, AL031311, AC004149, AL022320, AC005081, AC006241, U07563, AL031255, AL008582, AC008372, AC004447, AL080243, AL035495, AL022237, AC005696, AC005067, AL031281, AC005300, AC005102, AL031602, AC005057, AF030453, AC004876, AC005565, AL096774, AC004841, AC005264, AC016830, AC005335, AL034423, AC005730, AC003038, AF129756, AC004883, AC006211, U62293, AL133448, AB023049, AC005484, AC004531, U89337, AC005088, |

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| | | | | | AC006538, AC005874, AF134471, Z73359, AC006449, AC004796, AC006344, AC007216, AC005899, AC002425, AL034417, AL031005, AC004150, AC006480, AC005619, AC006026, AC005089, AC007308, AL049569, AL035681, AP000556, AL049539, AC005519, AF196969, AC005280, AC007686, AL035587, AP000115, AC005193, AC002301, AC007421, L78810, AC003007, Z83844, AC005531, AC007387, AL031666, AL049757, AF031078, AC004685, AC005015, AC004854, AC002375, AL031589, AC005261, AC016027, AC005190, AC002404, AB003151, AP000142, AP000248, AC005377, AC006273, AC005225, AF030876, AC005666, AP000689, AL035249, AC009330, AL035072, AP000305, AC009247, AC004752, AC008101, AC004263, AC009516, AC005670, AL049636, AL021546, AL021155, and AL031662. |
| HCWUR83 | 1583 | 958776 | 1 - 379 | 15 - 393 | AI361673, AC002094, and AC005955. |
| HCWUR95 | 1584 | 711186 | 1 - 492 | 15 - 506 | |
| HCWUS02 | 1585 | 919224 | 1 - 292 | 15 - 306 | AI914239. |
| HCWUS29 | 1586 | 690351 | 1 - 615 | 15 - 629 | AA165563. |
| HCWUS63 | 1587 | 542330 | 1 - 445 | 15 - 459 | AI652927, AB002803, AP000241, AF124731, AP000201, AP000097, and AF026199. |
| HCWUS72 | 1588 | 855815 | 1 - 318 | 15 - 332 | AF097485, and AC005089. |
| HCWUT24 | 1589 | 676902 | 1 - 386 | 15 - 400 | AI653905, H73720, AA080863, AA069022, M78005, AI300307, AL031228, AC006130, Z96641, Z85986, AC005089, AC004106, and Z96498. |
| HCWUT46 | 1590 | 861836 | 1 - 474 | 15 - 488 | AA122111. |
| HCWUJ04 | 1591 | 614859 | 1 - 348 | 15 - 362 | H82979, F00112, AA662982, AI963797, AA516310, AI199949, AI189004, CI4614, AA524604, N59038, AC004242, AC007666, AL031670, AL021918, AC004797, AP000346, AL109914, AC004020, AC003667, AC004019, AC005529, AC006449, AF165926, AC004887, AL008723, AL133163, AC007371, U47924, AC005214, Z93023, AC005288, AC006014, AC007055, AC004477, AC007263, U82828, L44140, AL109623, AB023054, AC006547, U80017, AC005664, AL021707, AC000075, AC004081, AC005071, AL031293, AC005031, Z85987, AC005057, AC005752, AC007686, AF205588, Z93017, AC000003, AC004057, AC004929, Z95113, AL008718, AL121652, AC005317, and AL031229. |
| HCWUJ07 | 1592 | 861959 | 1 - 496 | 15 - 510 | |
| HCWUJ16 | 1593 | 661570 | 1 - 307 | 15 - 321 | |
| HCWUJ58 | 1594 | 735736 | 1 - 223 | 15 - 237 | AA525331, AA431350, AA431634, AA705118, AA526092, AA665517, R79654, W92302, AI733660, AI821775, AA225548, AC007372, AC004802, AC004911, AC006277, AC002395, AC004056, AL133289, AC002394, AL031848, AC004832, AC004752, AL049823, AF019664, AL031657, AL035703, Y13901, AL023807, and AB016897. |
| HCWUJ78 | 1595 | 574908 | 1 - 433 | 15 - 447 | |
| HCWUV17 | 1596 | 662485 | 1 - 340 | 15 - 354 | AI064787, AA669618, AI560413, H82557, AI525319, AF169482, AA525464, AA765736, AA478355, AA974503, AA737432, AI174766, AA610491, AA502866, AA468131, T47970, AW149313, AI866856, AI223604, AW002350, T86545, AI093030, AA846952, AW023389, |

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| | | | | | F07743, AA533819, AI377567, AI377556, AI377505, AA808877, H90814, AI334464, AI284640, AI133297, AA702729, AA581903, AA468022, AL120933, AL038072, AL120927, AA516339, AI471887, AA326372, AI344812, AW410400, AI751216, N41888, AW023149, AI333016, AI039584, AW302087, R44116, AW275671, AI200051, AW302080, AI674174, AA299189, AA533303, AI635819, AW103758, AI473475, AI250083, AW080777, AA493975, AW084466, AL042547, AA583229, AL037040, AW268973, AC007688, Z97988, AC002127, Z68287, AL049835, AL078583, AC006480, AC004764, AL021155, AC000004, AC005968, Z82176, AP000159, AC007016, U53331, AF123462, AL008732, AJ007702, AF061016, AL024509, AC002453, AF134726, AL049776, AC002470, AL049781, AC007102, AC005215, AP001053, AC005412, AL121655, AC004539, AP000208, AP000130, AL031133, AP000247, AC004805, AL031311, AC005763, AC010849, AC004827, AC004257, AC002309, D87013, AC000065, Z95704, AC007628, AC007308, AL133485, AL132774, AL034379, AC003977, AL022394, AL031391, AL121852, AC006207, AL049872, Z68226, Z83838, AC005880, AL121823, L29074, AC006210, Z83845, AC003083, AC007252, Z93928, Z84490, AC005245, M36917, AC006276, AC006167, AC004541, AB023050, AC004841, AL035668, AL022328, AP000511, AC007030, AC006965, AC007014, AC005829, AC002381, AC004922, AC008122, Z98052, AL109984, AC010202, AF196779, Z83840, AL050341, Z82975, AC003085, AL031228, AL035398, AL031432, X96883, AC005523, AC006277, Z69714, AL031575, AL023799, Z93930, AC004703, AL031589, AC003682, AC002395, AC002064, AC006230, AP000962, Z97353, AL135744, AC005516, AC003101, AL031673, X97869, AP000348, AC005512, AC002369, AC007666, AC006531, AF030453, AC000052, AB014085, AC004187, AC004455, AP000515, AL034399, AC002386, AC007130, AL022069, AC005019, AL050317, AC007151, AL035494, AC007690, AC005695, AL109839, AF084555, AL078585, AC005060, AL035079, AL009029, AP000476, AR060470, U29953, AC004236, AF176915, AC006576, Z94721, AF107885, Z69705, AC004754, AL049699, AC004139, AC005399, AC007934, AC005088, U96629, AP000049, AP000193, Z95329, Z82210, AP000311, Z83843, Z97205, AP000117, AC004925, AL031681, AL034384, Y10697, AL021546, AC007057, AC004034, U89336, AP000022, AC005072, Z93096, AC003688, AC005049, AC006037, Y18000, AF131217, AC008062, AC005519, Z93931, AC007388, AC005919, AC007546, AC004617, AC006459, AC005284, AC005274, AL133246, AC006449, AC004550, AL023553, AC005091, AL021391, AC007090, AC003006, AL035252, AC005484, AP001172, AC004895, AC004882, AP000355, AC005529, U73633, AC005387, AL035402, AL031257, AC004596, AL033518, AL078615, AC002543, AC005242, AL031313, AC005822, AC004216, U85195, AE000658, AC004019, AL080276, and AL031668. |
| HCWUV24 | 1597 | 676909 | 1 - 386 | 15 - 400 | AL049775. |
| HCWUV28 | 1598 | 686171 | 1 - 552 | 15 - 566 | T98176, AF111168, and AL020997. |
| HCWUV65 | 1599 | 676334 | 1 - 359 | 15 - 373 | |
| HCWUV76 | 1600 | 615554 | 1 - 337 | 15 - 351 | |

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| HCWUW01 | 1601 | 915860 | 1 - 493 | 15 - 507 | AA368835, H59296, H96676, H85763, H84047, AW069273, AP000331, AP000172, AP000057, AP000125, AC004109, AC007687, AF126403, AL035458, AP000688, AC004801, AL035249, AP000687, Z46936, AC005697, AC002425, AC006132, AC005015, AP000039, AF006501, AC005070, Z98950, AC004582, AC007240, AC005887, AC004854, AC004893, AC007535, AL035079, AC007999, AL031729, AP000280, AL031587, AC007637, Z99291, AL049760, AC009263, Z99497, AC007114, AC005871, AP000107, AL031281, AC002472, AL034561, AP000694, AC007664, AB002059, AC007207, and AC004835. |
| HCWUW55 | 1603 | 964086 | 1 - 538 | 15 - 552 | |
| HCWUW58 | 1604 | 694016 | 1 - 348 | 15 - 362 | |
| HCWUW69 | 1605 | 882383 | 1 - 378 | 15 - 392 | AC010436. |
| HCWUW76 | 1606 | 769808 | 1 - 535 | 15 - 549 | |
| HCWUW84 | 1607 | 782840 | 1 - 349 | 15 - 363 | |
| HCWUW90 | 1608 | 712303 | 1 - 365 | 15 - 379 | |
| HCWUW95 | 1609 | 706528 | 1 - 369 | 15 - 383 | |
| HCWUX02 | 1610 | 852993 | 1 - 541 | 15 - 555 | AC005247. |
| HCWUX25 | 1611 | 614857 | 1 - 405 | 15 - 419 | |
| HCWUX78 | 1612 | 773336 | 1 - 451 | 15 - 465 | W86785, and R09187. |
| HCWUY16 | 1613 | 661550 | 1 - 527 | 15 - 541 | AC007708, AC009288, AC008132, AP000550, AP000552, AC007664, AC007325, AC007981, AC008018, AC012330, and AC005815. |
| HCWUY19 | 1614 | 922920 | 1 - 1082 | 15 - 1096 | AW189204, H64247, R89015, H73207, H62796, H62711, H73281, H95089, T99705, H77855, H77907, R84881, AA203271, and H64246. |
| HCWUY26 | 1615 | 681249 | 1 - 309 | 15 - 323 | |
| HCWUY41 | 1616 | 711771 | 1 - 286 | 15 - 300 | |
| HCWUY69 | 1617 | 615630 | 1 - 538 | 15 - 552 | |
| HCWVA18 | 1618 | 849894 | 1 - 350 | 15 - 364 | AI499795, and AW002986. |
| HCWVA25 | 1619 | 754314 | 1 - 187 | 15 - 201 | N88601, N84855, N83168, N86694, AA095359, AA096066, AA096046, N83993, AA247827, N88782, N83992, N84712, N84048, N84718, N88518, AA095641, N55698, AA247964, N83991, N84830, N89520, AA471338, H58760, N84829, N87898, N87989, N56555, AJ243486, U48696, U39066, AF039698, AR066487, AF103726, AF102850, S78798, AF032922, and AF045432. |
| HCWVA44 | 1620 | 716347 | 1 - 122 | 15 - 136 | |
| HCWVF94 | 1621 | 793533 | 1 - 659 | 15 - 673 | H57015. |
| HCWWH59 | 1622 | 770274 | 1 - 438 | 15 - 452 | |
| HCWWH65 | 1623 | 747324 | 1 - 175 | 15 - 189 | |
| HCWWH67 | 1624 | 772342 | 1 - 328 | 15 - 342 | AA251067. |
| HCWWH69 | 1625 | 861830 | 1 - 465 | 15 - 479 | AC002536. |

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| HDCAC05 | 1626 | 975255 | 1 - 457 | 15 - 471 | AL134902, AI142131, AL134536, AL119401, U46351, AL119341, AL134527, AL134526, AL119418, U46349, AL043019, and AR054110. |
| HDCAD10 | 1627 | 963330 | 1 - 489 | 15 - 503 | AW272294, AA225406, AI870453, AI635028, AI762528, AI133514, AA565319, AI923451, AI860751, AI923458, AI279417, AI587467, AA133332, AA160563, AI282629, AA877992, AW243793, AI192440, AA528503, AA528574, N64587, AC007371, AC006241, AC005081, AC004125, AC005696, AC005015, AC007363, AF001548, AL023575, AC005189, AL022323, Z99716, AL049760, AC006511, AC006441, Z95114, AL049569, AC005082, AC005011, AC002288, AC005874, AF134471, AB026898, AC002404, Z85986, AF196970, AC009516, AC002477, AC004905, Z99128, AC005529, AC006965, AC005921, AC007878, AL139054, AL022313, AL109984, AC007285, AL035071, AL034420, AC002314, AC004813, AL022320, AC005839, AL050307, AC006958, AC006312, AB023048, AC002352, AC007055, AC005280, AL021807, AC004882, AC005089, AL049872, AC004491, AC005484, AP000044, Z98941, AC004895, AC004531, AC006121, AL136295, AC007773, AP000697, Z83840, AP000098, AC005409, AC008009, AL035703, U62631, AC004782, AC000378, AP000209, AL049829, AC004686, AP000112, AC002425, AC005578, Z83844, AL022326, AL049832, AL049780, AC005231, AC004910, AC005527, Z97053, AL031311, AC007327, Z83847, AF067844, AC006480, AC004983, AP000696, AC004903, AC007938, AC005697, AL132777, U47924, AC004805, AL031657, AP000248, AF002223, AC004067, AC005943, Z93016, AL096773, AC004966, AL117337, AC005086, AC005237, AL031848, AC005516, AC005755, AC007182, AC005412, AC003695, AL035209, AC006946, AL021707, AC004655, AC008038, AF196971, AC005519, AL049643, AC007225, AL023284, AF001549, AC000026, AC006512, AF181896, U91322, AC002546, AC003108, AC005520, AL009181, AL049576, Z82244, AC004659, AC004797, AC003962, AC004099, AC004098, AF045555, Z81365, AC010200, AF205588, AP000694, AP000568, Z98946, U91326, AC004854, AC004033, AL034379, AC004821, AP000692, AL031670, AL049776, Z49208, AC000025, Z85987, AF030453, AC005255, AL122020, AE000658, AL031597, AC005537, AL022336, AP000086, AL133245, AP00013, AC004967, U91321, Z98304, AC007637, AC006597, AF047825, AC005971, AC002070, AL022401, AC004743, AC006064, AC005088, Z84469, AL021939, AC005207, AC007193, and AL096766. |
| HDCAG86 | 1628 | 852970 | 1 - 389 | 15 - 403 | |
| HDCAP64 | 1629 | 922818 | 1 - 343 | 15 - 357 | |
| HDCAV79 | 1630 | 881404 | 1 - 483 | 15 - 497 | AL035541. |
| HDCAY54 | 1631 | 959750 | 1 - 430 | 15 - 444 | |
| HDCBO38 | 1632 | 961931 | 1 - 214 | 15 - 228 | |
| HDDMA83 | 1633 | 926991 | 1 - 759 | 15 - 773 | AW371972, AA885936, and AF038963. |
| HDDNY79 | 1634 | 933804 | 1 - 443 | 15 - 457 | AL049569. |
| HDDOC53 | 1635 | 934157 | 1 - 879 | 15 - 893 | AF150417, AI888578, AI826769, AW327712, AW168059, AA628915, AI884992, AA761358, |

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| AI707839, AI382085, AI359894, AA224907, AA234724, AA548422, AA234791, AA831987, AW268716, AW404640, AI344460, AI933178, AA548402, AI826730, AW172286, AA224806, R69361, AA961626, D20106, AA028112, AA028111, AI421970, AA455772, N39304, AI263331, AI494201, AL043168, AW022102, AW044029, AI923989, AL040161, AI538885, AI440263, AI345347, AI744923, AW088134, AL038778, AW084056, AL119457, W81248, AI312428, AI307569, AL121270, AW148478, AI889168, AI366992, AI002285, AW268072, AW075084, AI310925, AI334884, AL037030, AW131428, AA572758, AA493923, AI343091, AI349226, AI345397, N49165, AL041150, AI468959, AI567582, AI886415, AA420722, AL079794, N29277, AL119863, AI683860, AA983883, AI254226, AI348917, AI696626, AL119511, AW059828, AW411310, AL046463, AI859464, AW089572, AW020710, AI349957, AI281867, AI554821, AI267185, AI829327, AI800159, AW161579, AI345005, AI631216, AI251485, AI961589, AI887775, AI590603, AL119399, AI539766, AI702301, AI868204, AL042382, AI612885, AL047344, AI609911, AI436429, AI499986, AI915295, AI345745, AI349256, AI312152, AL134259, AW269097, AI885989, AI587121, AI349933, AI312399, AI345674, AW075207, AI566479, AI307543, AI345737, AI348897, AI345251, AW071412, AI307734, AI307708, AI336513, AI312325, AW071395, AI340659, AW071377, AI345736, AI348895, AI307494, AI336495, AI918554, AI340644, H89138, AA805751, AI340627, AI281782, AI334930, AI309443, AI349622, AA600801, AW071380, AI307520, AI582871, AI498579, AI889147, AI340664, AI310592, AI611728, AI282355, AL047042, AI348969, AI345739, AI345674, AW075207, AL036664, AL040586, AI312143, AI345471, AI343037, AI349637, AI345735, AI868163, AI310927, AI267532, AI559752, AI366974, AI307578, AI824375, AI345111, AW020693, AL042544, AI349955, AI312210, AW075093, AW055252, AI312432, AI310930, AI345114, AI312271, AI312357, AI307210, AI345224, AI336662, AI345156, AI345253, AI589267, AI277008, AL036802, AI311159, AI648408, AI690536, AI289542, AL119836, AI955906, AW151136, AI313320, AI310575, AW089689, AI570966, AI312237, AI679959, AI313352, AI251221, AW022682, AL040694, AL036772, AL036718, AI307503, AL036396, AL138406, AI311892, AA012905, AI950664, AI307736, AI340519, AI802372, AW089275, AI340603, AI623736, AW020095, AI349814, AI285419, AI349266, AI344452, AI349787, AI307542, AI340533, AI344938, AI252077, AL045664, AI345370, AI334445, AI312146, AI312339, AI309431, AI340537, AI343059, AI500659, AI348854, AI345258, AI241763, AL023653, AJ010277, AF132676, AF061836, I48978, AL050024, A90832, A08916, AL122098, A08910, A08909, AF036268, X63574, AB016226, AF090896, S78214, AF113676, AL050146, I89947, A08913, AL137521, AL122110, AF090943, AF087943, X70685, X52128, A08912, AL110159, U77594, AF065135, Y11587, U68387, AF146568, AL080124, A08908, AL049430, L31396, L31397, I89931, S61953, I49625, AF113694, AF094480, AL110225, U72620, AR068753, S77771, AL117394, S76508, AL122123, I89934, Y16645, I33392, AF118090, AL137648, U78525, AR038854, Y10655, AI8777, AL133093, AF089818, AL137529, AL110171, AF003737, | | | | |
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| | | | | | AL117585, E08631, U75932, AL137283, AF097996, AL049283, AF111851, M30514, AL050172, U58996, AF079763, AL117649, AF026124, AL096744, I66342, AJ005690, A08907, AF207750, AF118064, AF113699, AL137538, AL050116, AL122045, AL050092, AF085809, U00763, U88966, I48979, Y10080, L13297, I26207, AL137640, AL137459, AL050108, AJ006417, AL049464, AF118094, AL110196, AL133080, AL122050, AL049314, I17767, I17544, U68233, I92592, Y09972, AL133568, AF079765, AL137292, X98834, A15345, AF028823, I09499, AL137558, AL117440, A52563, AL133606, A08911, AL133560, AL049300, AF067728, AL080074, AL137560, AF069506, X72387, AF137367, AF119358, U42766, AF106862, A93016, I89944, AF078844, U95114, AF118092, AL133098, AL110221, U87620, AF090900, Y07905, AL050138, AL096751, AL117435, U91329, AL110280, AL117583, AF159148, I03321, AL117457, E00617, AF111112, AL080060, AL137556, AF051325, AL117583, AF159148, I03321, AL117457, E00617, E00717, E00778, AL137656, U80742, AL137550, X65873, AL137548, AF162270, AL137276, AL050277, AL122049, X06146, AF118070, AL050278, AL080110, AJ238278, AL133557, X92070, E07108, AL133075, AF158248, AL133014, AL133113, AL080126, AL050393, E01614, E13364, AF036941, AF017437, AR034830, I96214, I09360, AJ000937, AL122111, AL049466, Z37987, AF000301, AF125948, AL080140, AF177401, D16301, U35846, AL110222, A03736, X62773, AL137479, AF081197, AF081195, X72889, AR011880, AC004200, AF026816, E01573, E02319, X81464, X82434, S78453, AF113689, AL137526, S36676, AR038969, AF153205, AL117460, AF017790, E01314, AF090903, A07647, AL137641, AL133565, AF061573, AL080163, X83508, M92439, AF061943, I68732, D83032, AL050170, AL137539, AB019565, L04849, AR068751, AR013797, AL133104, AF110329, AL133067, L19437, AL137557, X87582, and E02253. |
| HDLAC80 | 1636 | 799887 | I - 302 | I5 - 316 | AL035461. |
| HDLAD61 | 1637 | 775541 | I - 388 | I5 - 402 | D82449, AA079011, W15176, D82382, D82521, AF077040, and AF073344. |
| HDLAH25 | 1638 | 796174 | I - 323 | I5 - 337 | AA404215. |
| HDLAK03 | 1639 | 923285 | I - 201 | I5 - 215 | AL047643, AL499503, F32724, AA715268, AA683031, AF1744739, AA641103, N48131, AF1923140, AL341664, AI061591, AI114660, AW157326, F36273, AI890928, AI890570, AA362700, AA847216, AI914706, AA364567, AA551509, AI307201, AW074398, F35113, AA515051, AA658235, AI613261, AI205126, AL041706, AW021857, AI553983, AA715362, AA669416, AI608626, AA484148, AA443065, AA578961, AA715270, AI445117, AI955323, F19258, AI624698, AI143242, AA354507, AI471572, AW193265, H64777, AI709365, W03190, AL079683, H04821, AI510838, AA514737, AF192287, AI310138, AA580662, AI149915, AW340922, AI432270, AI264743, AA328591, AA330772, AI051551, N43757, AA630352, F28576, AI937850, AI569086, AA973575, AI358343, AW341892, AA548137, AA318652, D58782, AW337985, AA450199, AA878495, AA458804, AI079910, AW130799, AI921649, AI445436, AI890052, AI963786, AA569306, AI880168, AI376100, AL079645, AA601270, AW265654, AI379719, AI110770, T06556, AW074059, AI356904, AI922654, AI564284, R44592, |

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| AL042856, AI284640, R79496, AI570138, T56067, AI557323, T63104, AA843450, AW406659, AA526755, N54179, AA344959, AA225201, AI732498, AI160117, AI859251, AI802526, AA226364, AI708009, AI859742, AI471481, AA985038, N69962, AI138265, AI003172, AI719014, F31204, AW188544, AW302117, AI904894, AF150152, AL036523, F33511, AI349874, AW276827, AI334435, AA317973, AI446464, AA308806, AI565582, AI635818, AI287964, AW439839, AL042771, AA515128, AL041368, AI679379, AI499094, AI888405, RI13151, AI287528, AA369477, AI679888, N41759, AI252085, W60516, AA557879, AI252114, AP000155, AP000013, AC006050, AL133371, AC005053, Y18000, AC002056, AC004810, AC004539, AC009178, AC005529, AC006538, AC004998, AL049697, AC004884, AC002116, AC010170, AL110505, AC004806, AC007695, AP000555, AL078621, AC004755, AC003678, AC003689, MI13254, AC003104, AC004682, AL031720, AC004675, AC007402, AC005694, AL035562, AC005527, AL033525, AC004492, L34162, AC007731, AC007537, AC005500, AC003007, AC006023, AC009405, AC005632, AF088219, AC003038, AC004447, AP000745, AP001172, AC006480, U55184, Z93783, AF139813, AC004057, AF123462, AC005899, AC004770, AC004228, AC005562, AC006515, AL035659, AB020668, AL096702, AC004799, AC005064, AC003982, AC005886, AC002347, AL049636, AC005094, AC010205, AC005409, AC005069, AC005575, AC006537, AC005783, AC006271, AC004230, AL078623, U66061, AC006948, AC005785, AC006116, Z99774, AC007064, U62317, AC005358, AC005726, AL035448, AL118497, AC004859, AL096867, AC004645, AC005091, AC005856, AC005076, AC009542, AC009330, AC006111, AC002429, AL135879, AL121790, AC010072, AL031432, AC005399, AC018769, AC018767, Z95889, AL031427, AC004988, AB029028, AF180425, AC005725, AC008059, AL021977, AC007536, Z98752, U07563, AP000477, AC002400, AL050318, AC004478, AL049778, AL050307, AP000552, AL031289, Z83838, AC004477, AC020663, AL031283, AF001549, AL109758, Z95114, AC005229, AL031123, AC005912, AP000280, AC003959, AC004989, AC005057, AP000107, AP000039, AC004223, AL031005, AC004908, AL022722, Z98946, AC002076, AL024507, AC005940, U95743, AC002426, AC005368, AL023578, AF111169, Z97183, AC007786, AP000306, AC005765, AC005793, AP000047, AF176915, AC004964, Z93096, AP000115, AC002375, AP000692, AL008706, AL035400, AL031276, Z83826, AC005599, AC005913, AC010200, AC004890, AC005037, AC007207, AJ229043, AC004822, AC005747, AP001135, AC005197, AC005255, AC000066, AP000072, AC010168, AC005839, AC004907, AC005519, Z82206, AC005730, A1010770, AL135783, AC006241, AC002565, AP000965, AC011198, AP000952, AP001053, AL049845, AC005370, AC003662, AC005866, AF111170, AL080243, AC007738, AL117340, AL008718, U85195, AE000658, AC004760, AC002994, AC009336, U95740, AC006285, AC007228, AL021978, AC006367, AL050326, Z75744, AC002519, AC004969, AL035420, AJ239321, AC005152, AC005385, AC004099, AC006006, AC005482, AC009275, AF070718, AC006064, AL034452, AL031662, AB020876, AC005969, AC016025, AC007225, AC006004, | | | | | |
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| | | | | | | | AC018633, AC005951, AC002553, AP000553, AL110502, and AL023879. |
| HDLAN36 | 1640 | 923478 | 1 - 85 | 15 - 99 | | | |
| HDLAQ27 | 1641 | 787084 | 1 - 422 | 15 - 436 | | | AI581067. |
| HDLAQ50 | 1642 | 723854 | 1 - 307 | 15 - 321 | | | |
| HDLAR24 | 1643 | 943930 | 1 - 305 | 15 - 319 | | | |
| HDLAV29 | 1644 | 922276 | 1 - 393 | 15 - 407 | | | AI220255. |
| HDLB03 | 1645 | 923286 | 1 - 327 | 15 - 341 | | | AF162761. |
| HDMAQ15 | 1646 | 941282 | 1 - 1134 | 15 - 1148 | | | AI141684, AA242853, AI281834, N50984, AW014432, AA826047, AA977801, AA984041, T64272, AA994205, AA252172, AI361098, T64144, AI280735, AW084330, AA931748, AW071613, R09320, AA448980, AI990634, R09211, AW388104, AI147841, AI198101, AW238793, AI627898, AW074546, AW072130, AI276023, AI394689, AI457707, AI953242, AI539262, AA947158, AA150147, D44958, AA034918, and AC004126. |
| HDMBH76 | 1647 | 883212 | 1 - 1214 | 15 - 1228 | | | AA584604, R17976, and AA297873. |
| HDMBK12 | 1648 | 968954 | 1 - 424 | 15 - 438 | | | |
| HDPA89 | 1649 | 693445 | 1 - 501 | 15 - 515 | | | HS1802, H67354, T67670, AA700794, AB029488, and AC002536. |
| HDPA803 | 1650 | 924124 | 1 - 356 | 15 - 370 | | | AL078600. |
| HDPAD22 | 1651 | 674560 | 1 - 470 | 15 - 484 | | | AI492865, AA836291, and Z59212. |
| HDPAE86 | 1652 | 709072 | 1 - 505 | 15 - 519 | | | H49713, and T87022. |
| HDPAF70 | 1653 | 881626 | 1 - 452 | 15 - 466 | | | |
| HDPA803 | 1654 | 771636 | 1 - 216 | 15 - 230 | | | AC005946, and AC006272. |
| HDPA832 | 1655 | 947832 | 1 - 627 | 15 - 641 | | | |
| HDPAH10 | 1656 | 969041 | 1 - 516 | 15 - 530 | | | T97458, AA704961, AA704993, T97730, R09226, AI097092, AI264637, AW440517, T97914, AA203274, AA045417, AA127626, AA308065, T96809, F22528, AA304050, AA082078, AI087224, W39584, AI042559, N32838, AI289816, AI333981, AA513003, AA121528, AA716353, AA302332, AI805206, AA677140, W44935, AI208270, AA112905, AI024761, AI087291, AA448463, AA101212, AI685445, AI094396, AA932240, AA331180, AA062780, N42284, AA045311, and AA973273. |
| HDPAQ24 | 1657 | 677179 | 1 - 425 | 15 - 439 | | | AF223944, AF110330, and Z61018. |
| HDPAS40 | 1658 | 860041 | 1 - 567 | 15 - 581 | | | AC003004. |
| HDPAV74 | 1659 | 916457 | 1 - 396 | 15 - 410 | | | |
| HDPAZ46 | 1660 | 719024 | 1 - 434 | 15 - 448 | | | |
| HDPAZ73 | 1661 | 756742 | 1 - 496 | 15 - 510 | | | AI734217, AI830204, AI764987, W20302, AA328526, AI344107, AI668657, R54083, AA334776, AA151813, AI921148, AA815201, AA386170, AA122312, AI361541, AI284342, AA071290, AI284343, R60683, AA399256, T36239, N23786, T65297, AA779556, AA425224, AA350782, AW004629, AA888883, F02683, F10790, F03793, R41712, H29594, N46213, R39944, R40964, R48971, R44252, R44573, R50366, AF182814, and AI243721. |

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|---------|------|--------|----------|-----------|--|
| HDPBC24 | 1662 | 760623 | 1 - 340 | 15 - 354 | <p>AI401449, AA075859, D26362, AC000391, and AC002323.</p> <p>AJ003449, AI970509, H23104, N45556, AL040461, AI216366, AA927218, AA912892, AL078614, AL137712, and AL109748.</p> <p>AA296462, AA223692, AB023188, Z54728, and Z54729.</p> |
| HDPBD79 | 1663 | 973367 | 1 - 159 | 15 - 173 | |
| HDPBJ94 | 1664 | 945460 | 1 - 810 | 15 - 824 | |
| HDPBM64 | 1665 | 773091 | 1 - 397 | 15 - 411 | |
| HDPBO71 | 1666 | 888109 | 1 - 301 | 15 - 315 | |
| HDPBS54 | 1667 | 904762 | 1 - 2050 | 15 - 2064 | <p>AI721185, AI066646, AA700943, AW023111, AW070532, AI249997, AI471476, AI362442, AI357628, AI955029, AI305547, AA663074, AI755202, AW089016, AA502207, AL039042, AL039041, AA721722, AI061313, AW028950, AL042373, AA837035, AA602906, AA569402, AI821044, AC005015, AC009501, AC005228, AC004878, AL096701, AC007193, AL049540, AC004813, AC002997, AL021937, AC005914, AC004897, AC005562, AC002381, AL117258, AC005088, AC005747, AC004832, AC006285, AC002544, U80017, AC007308, AC005599, AL034548, AF200465, AC007199, Z86090, AC007546, AC005921, AL021393, AC008033, AL133246, AC006312, AC002316, M63796, AC007226, AF111169, AC006597, AF196779, AC004883, AC004125, AL049843, AL121652, Z93023, AL035249, AL078581, AJ010770, AC004912, AC007227, AC004999, AL049779, AF196969, AL096774, AC005082, AC005031, AL035587, AP000304, AL035413, AC004554, AC004806, AC004686, AF196971, AC002115, AC004796, AC005873, AC007052, AC006948, AF124523, AL121653, AP001054, AC004638, AC006241, AC005102, AC004587, AL022097, AC005786, AP000509, AC005081, AC006430, AC007540, U07000, AF107258, AL133448, AC004223, AC010205, AC006211, AC003109, AL049697, AL121595, AC005412, AL049757, AL117328, AC005844, AC008101, AC005722, U95742, U63721, Z99496, Z83840, AC003963, AC000134, AC000392, U62292, AC005696, AF053356, AC003684, AP000047, AL022318, AL049712, AC005409, AC007011, AL049766, AB023051, AL080243, AC005280, AB023049, AC004953, AF001548, AC004881, AC005500, AC004216, AC004520, AL024507, AC002400, AL022311, AL109801, AC005776, AL133553, AP001053, AL022329, AC006509, AC005209, AC004973, AC004991, AC007731, AC004989, AC007999, AC004263, AC016830, AF121781, AC004383, AC008055, AC005695, U96629, AP000513, AC002091, AC000092, AC004910, AF111168, AL022313, AL049795, AC005920, AC007298, AC002073, AL049650, AL031659, Z98884, AP000115, AC000353, AC003663, AC005089, AL031282, AC004671, AC004025, AL049569, AC006530, AC007041, AC007934, AC007637, AL049869, AF109907, AC005519, and AC004551.</p> |
| HDPBW10 | 1668 | 964553 | 1 - 460 | 15 - 474 | <p>AL045848, AA582554, AI832000, AI292085, AI264046, AI251024, AI446205, AW270768, AW008074, AW149975, AI291037, AW302709, AW277174, AW236235, AA219651, AI078409, AI803915, U91326, AC002544, Z93942, Z83826, AP000105, AP000037, AC008063, AC009399, Z93931, AL031286, AJ229042, AL133243, AD000092, AC003962, Z83843, AC004386, AL031728, AC005239, AL021154, AP000150, AC006123, AF107885, AP000009, AC004202, AC002310, AC007565, AL022316, AC007684, AC007676, AF047825, AL020997, AL049776,</p> |

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| | | | | | | AC006241, AL132712, AC003025, AF139813, AC004770, AC004228, D86991, AC005304, AC002045, AF010238, AL049712, AC002418, AC010170, AC005324, AP000518, AC007528, AC004477, AP000008, AC004024, AC006515, AC000052, AC007129, AL078581, AC002553, AC008372, AP000704, AC006487, Z82900, AL022314, AB023054, AC004019, AL121748, AP000694, AC005620, AC002996, AC003035, AC004859, AF020515, Z83732, AC004011, AL031846, AC005207, AB001523, Z98752, AC004148, and AP000065. |
| HDPBW26 | 1669 | 670345 | 1 - 240 | 15 - 254 | | AC007172, and X84692. |
| HDPBX82 | 1670 | 779848 | 1 - 533 | 15 - 547 | | AI478349, AI624865, and AC005336. |
| HDPBY23 | 1671 | 858345 | 1 - 505 | 15 - 519 | | AA004919, C16939, AW301353, and T06985. |
| HDPCC48 | 1672 | 709005 | 1 - 423 | 15 - 437 | | |
| HDPCH65 | 1673 | 950716 | 1 - 493 | 15 - 507 | | AA284452, and AL135744. |
| HDPCK27 | 1674 | 683383 | 1 - 450 | 15 - 464 | | |
| HDPCK66 | 1675 | 766231 | 1 - 432 | 15 - 446 | | |
| HDFCM35 | 1676 | 973352 | 1 - 455 | 15 - 469 | | AL096805. |
| HDFCN22 | 1677 | 927838 | 1 - 610 | 15 - 624 | | H81040. |
| HDFCN94 | 1678 | 794275 | 1 - 753 | 15 - 767 | | AL122086, AF120323, AB022915, AF120324, and AF121102. |
| HDFPCR34 | 1679 | 852871 | 1 - 327 | 15 - 341 | | |
| HDFCS43 | 1680 | 714479 | 1 - 299 | 15 - 313 | | |
| HDFPCV60 | 1681 | 720278 | 1 - 846 | 15 - 860 | | AI762468, AA039789, AA039790, AI040678, AW044237, R69130, W80467, R69248, N69997, R66283, R79969, R80067, R66282, R08901, and W80576. |
| HDFPCW90 | 1682 | 612234 | 1 - 427 | 15 - 441 | | T86522, R05896, and R01279. |
| HDFPCY03 | 1683 | 924057 | 1 - 455 | 15 - 469 | | |
| HDFPCY43 | 1684 | 958157 | 1 - 468 | 15 - 482 | | AF118808. |
| HDFPCY93 | 1685 | 571375 | 1 - 431 | 15 - 445 | | N44631. |
| HDFPD178 | 1686 | 773556 | 1 - 362 | 15 - 376 | | AB014599. |
| HDFPDJ24 | 1687 | 677166 | 1 - 376 | 15 - 390 | | AF150205, R94203, and AF161539. |
| HDFPDJ90 | 1688 | 735027 | 1 - 442 | 15 - 456 | | AI940403, AC005363, and AC005606. |
| HDFPDL62 | 1689 | 691647 | 1 - 647 | 15 - 661 | | AA573618, and U81831. |
| HDFPDL79 | 1690 | 774943 | 1 - 570 | 15 - 584 | | AW177005. |
| HDFPDN08 | 1691 | 959332 | 1 - 927 | 15 - 941 | | AA216672, AA078092, AA829049, and AC007444. |
| HDFPDO46 | 1692 | 719010 | 1 - 449 | 15 - 463 | | AA808002, AA467766, AC007276, AL031650, AL096861, Z84480, AC002525, AL031575, AP000569, and AL035073. |
| HDFPFC15 | 1693 | 745045 | 1 - 195 | 15 - 209 | | |
| HDFPF07 | 1694 | 974494 | 1 - 798 | 15 - 812 | | AB033030, and AFI151363. |
| HDFPFJ21 | 1695 | 852824 | 1 - 376 | 15 - 390 | | AL034555. |
| HDFPFQ93 | 1696 | 772456 | 1 - 373 | 15 - 387 | | AL049766. |

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| HDPFV55 | 1697 | 575202 | 1 - 544 | 15 - 558 | AA833892, R84376, and AA382114. |
| HDPFW80 | 1698 | 734937 | 1 - 495 | 15 - 509 | |
| HDPFY90 | 1699 | 788870 | 1 - 353 | 15 - 367 | |
| HDPFZ58 | 1700 | 735975 | 1 - 515 | 15 - 529 | AW404640, AF150417, AL023653, and AL049683. |
| HDPGB73 | 1701 | 574603 | 1 - 355 | 15 - 369 | AL134996, AB018413, and AB011143. |
| HDPGG28 | 1702 | 625678 | 1 - 446 | 15 - 460 | |
| HDPGH27 | 1703 | 937144 | 1 - 315 | 15 - 329 | AA362688, AA362690, AA362689, T29199, AL044652, I07209, I07249, AR068508, AR068510, AR067734, AR067731, AR068509, A63954, I09267, I09270, I91969, I09268, I09269, A49701, I09252, I09251, AR067732, A29109, A32111, I66495, AR068550, A23373, AR068551, I66494, E01324, I08638, A94048, A94061, AR035224, A94046, A94054, A94045, I58322, I58323, I66498, I66497, I66496, I66486, I66487, A27169, A27170, A39929, A83151, AR038307, AR038321, AR051528, AR051547, AR051537, AR051524, and A42964. |
| HDPGI14 | 1704 | 415961 | 1 - 432 | 15 - 446 | A1018392, AA576672, H84975, A1929768, AW157282, AA599045, H77773, AA847622, AA828053, AA826320, AA598731, AC003982, Z84466, AC005102, AC003665, AC002350, AF126483, AC004752, AL022238, Z98257, AC005105, AL135783, Z98742, Z86064, AP000289, AP000042, AP000110, AC007537, AC005581, AC004685, AC005015, AB020868, AC006581, AL080243, AC004000, AC004797, Z82976, AC005971, AC006026, AC005280, AC005736, U47924, AC001234, AC004526, U93305, AL031905, Z83822, AL049874, AL023575, AF060568, AL022717, Z84487, AC006241, AC006011, AC007671, Z99916, AL031673, AP000350, AC005886, AF001549, AL049631, AC005031, U80017, AC007193, AC002477, AC005932, AC002470, AF198095, and AF091512. |
| HDPGI21 | 1705 | 760926 | 1 - 340 | 15 - 354 | |
| HDPGI95 | 1706 | 919792 | 1 - 443 | 15 - 457 | |
| HDPGL65 | 1707 | 666830 | 1 - 515 | 15 - 529 | |
| HDPGM85 | 1708 | 783563 | 1 - 451 | 15 - 465 | |
| HDPGO30 | 1709 | 780359 | 1 - 408 | 15 - 422 | AA287508, W15561, and N80792. |
| HDPGO52 | 1710 | 852800 | 1 - 422 | 15 - 436 | |
| HDPGP54 | 1711 | 464312 | 1 - 669 | 15 - 683 | AL031123. |
| HDPGP75 | 1712 | 872249 | 1 - 409 | 15 - 423 | AP000172, AP000057, AP000125, and AP000330. |
| HDPGT43 | 1713 | 495783 | 1 - 547 | 15 - 561 | A1700109, AA468022, W60328, AC002470, AC005529, AC005666, AF055066, AC009516, AF053356, AL096791, AC007308, AC005940, U47924, AC005071, AC004638, AL022238, AC005690, AC005057, AL008715, AC005527, AC004263, AC004814, AC007919, AC005387, AC005829, AC000353, AF045555, U95740, AC005695, AF207550, AL022724, AC004156, AL031587, AC004921, AC009044, AL031295, AC005914, AF165926, AC007066, AC002378, AL136295, AC012627, and AC005694. |
| HDPGU50 | 1714 | 720595 | 1 - 330 | 15 - 344 | |

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| HDPGX44 | 1715 | 683277 | 1 - 454 | 15 - 468 | |
| HDPHB75 | 1716 | 915912 | 1 - 127 | 15 - 141 | |
| HDPHF59 | 1717 | 677172 | 1 - 211 | 15 - 225 | |
| HDPHGG23 | 1718 | 416041 | 1 - 312 | 15 - 326 | |
| HDPHGG42 | 1719 | 732133 | 1 - 602 | 15 - 616 | AW408550, AW408705, AW407627, C18204, AW401857, AL031733, and AL137762. |
| HDPHGG89 | 1720 | 733198 | 1 - 588 | 15 - 602 | AC005005. |
| HDPHH51 | 1721 | 921093 | 1 - 471 | 15 - 485 | AA447601, A1769676, A1052170, A1383501, AA416632, T99484, AW237237, AA652361, AA652166, A1202729, AA115105, AA356475, AA828854, and AC005156. |
| HDPHI02 | 1722 | 919825 | 1 - 448 | 15 - 462 | |
| HDPHI71 | 1723 | 760325 | 1 - 391 | 15 - 405 | |
| HDPHJ36 | 1724 | 706624 | 1 - 301 | 15 - 315 | |
| HDPHK96 | 1725 | 921957 | 1 - 815 | 15 - 829 | AA654874, A1380617, AA780933, AW243945, A1355080, A1148557, AA564582, A1718462, AA445908, H73550, AA678616, A1683116, H67649, H48768, AA405549, AA297789, AA086257, AA936718, AA078754, AA599532, AL041682, A1924207, AL042230, A1912401, A1816058, A1732911, AA320105, W04168, AL041681, F35551, AW051819, A1858889, A1053784, A1569401, AA584207, AA878407, AA904211, A1270647, A1061168, A128969, H97379, AA669054, F31867, AA070330, AA558404, AA493947, AA302982, A1955360, AA471013, AA550757, AA345594, AA715955, A1053688, A1671077, AA425924, A1678992, A1792521, F32040, AW078821, AA572753, R99613, AW390284, A1347665, W81372, H68191, F25666, AA644223, AA460910, A1697425, AA581498, AA586433, F35674, A1472736, A1819262, N40092, H67064, AA019973, AA745552, AW440568, AA635413, AA013168, A1198718, AA460920, A1557422, AA678932, A1818545, A1753887, AA344768, AW081610, AA721523, AA461212, N86362, A1866580, N67313, A1701059, AA513884, AL134440, A1570237, A1620354, AA461223, A1889995, F35684, AA058312, AA420723, T17384, AA804334, A1133514, AA126814, AL040521, A1370841, AA831913, AW419389, A114557, AW275432, AA640310, AA515351, R93919, AL118912, AA652830, A1889579, N58505, AA487300, AW079737, AA601237, AA102737, AA249239, AL044177, A1002709, AA626595, AL121287, A1813783, AA568314, AA355128, AW019964, AL045423, AA504951, AA804297, AW023111, AA583132, T17332, AA551056, AA609826, AC004637, AL031984, AL022330, Z94160, AL133500, AC004032, AC002563, AL031775, AC010582, AL033380, AC006948, AC006276, AC004125, AC008119, AL031432, AC006023, AL031279, AE000662, AC006120, AC004111, Z83846, AL035682, Z98742, AL078638, AC002070, AL133244, AC004943, AL021939, AP000327, AC003108, AC006511, AC008149, AC007684, AC006241, AL021546, AC002303, AP000123, AP000055, D84401, AL132826, AL035588, AL031228, AL049911, AL022576, AL121578, Z70289, AR036572, U91328, U93305, AL049832, AC004601, Z97053, U52111, AC005220, AC002375, AL022721, AC004593, AC003683, Z95115, Z98048, AF196779, AC004820, AC007221, Z92542, AC005969, AC004465, AL050317, AC005495, X51956, AL117694, AC006512, AP000075, |

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| | | | | | AC006390, AL022238, AC005215, AC007263, AL049749, Z84480, AC005684, AC002115, Z81008, AC002350, AC005355, AC006361, AL031728, AC006125, AC005487, AC007388, AL031311, Z94055, U47924, AP000496, AC005209, AL020998, AL109758, AC003684, AP000114, AP000046, AC010200, AC003965, AC005379, AL079333, AF196969, AC005225, AC005219, AC005726, Z85996, AC005187, AF015416, AC008989, AC004049, AL035703, AC007151, AC005288, AC005625, AC005568, AC003013, AL049576, AL049869, AC004762, AL031427, AC007663, AC010206, AC005553, AC007225, AF128893, AL109750, AP000049, AP000311, AC007387, AC006057, AL022332, Z69652, AJ012008, AC005061, AC007934, AC003665, AL132796, L31948, D87022, AC004663, AC006600, AL031055, AC004854, AL121588, AL022726, Z69922, AC005514, U63312, AL022395, AC002112, AL132800, AL031121, AL009172, AL117258, AC007279, Z82176, AC004963, AC006205, AC006039, AF047825, Z75407, AL049692, AL049570, AC002073, Z83851, AC007201, AC007358, U44106, AC007617, AC002045, AC005546, AP000504, AC004997, AC002481, AL035462, AC007649, AC004651, AC002314, AC015853, AL031587, Z93242, AC005324, AC004832, AL022069, AC010205, AC007540, X15943, X68793, AF199339, AL023879, AL023883, AC006536, AP000701, AL031258, AP000115, AC005081, AC000003, AL031289, AC005585, AC005939, AL022313, AC004923, AC002455, AC005094, AL135746, AL009181, I34294, AC005391, AF030453, Z84487, AP000304, AC005049, AC005690, AC005728, AC005015, AL022326, AC003010, U73169, AL031665, U93036, AC002385, AJ011931, AC005284, AC004019, AC005082, AC006480, AC007023, L43411, AL035416, Z82244, AF111169, Z93023, AF024534, AC004257, AC004760, AC004262, AJ239318, Z84474, AC005839, AL031664, AC004821, and Z70288. |
| HDPIA15 | 1726 | 772020 | 1 - 588 | 15 - 602 | AL635582, and AL049766. |
| HDPIA37 | 1727 | 954869 | 1 - 680 | 15 - 694 | AI470828, AA888031, AL120421, AA229902, AA281976, AA204701, AA424801, AA410294, AA435831, AA397595, and AB002334. |
| HDPIA10 | 1728 | 928163 | 1 - 547 | 15 - 561 | H78846, R97122, AA331528, T85509, AW362954, AI193875, AW362978, AI193991, AA699647, AW362953, AI033788, AW363023, and AC005412. |
| HDPIA37 | 1729 | 868169 | 1 - 554 | 15 - 568 | |
| HDPIA42 | 1730 | 713081 | 1 - 389 | 15 - 403 | |
| HDPIA86 | 1731 | 591540 | 1 - 488 | 15 - 502 | |
| HDPIA48 | 1732 | 677664 | 1 - 511 | 15 - 525 | AL120078, N28989, AA206257, AW378916, AL117258, and Y18483. |
| HDPIA26 | 1733 | 681519 | 1 - 515 | 15 - 529 | AL022316. |
| HDPIA55 | 1734 | 961163 | 1 - 458 | 15 - 472 | T84946, AL047527, AL047528, and AC002394. |
| HDPIA65 | 1735 | 747791 | 1 - 426 | 15 - 440 | T81944, T79115, and H63342. |
| HDPIA53 | 1736 | 926498 | 1 - 371 | 15 - 385 | AI732675, AA469134, and AA420876. |
| HDPIA61 | 1737 | 741724 | 1 - 408 | 15 - 422 | AC004126. |

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| HDPJA04 | 1738 | 628745 | 1 - 318 | 15 - 332 | AW245495, AL046917, AW402628, H91107, AR012155, AB018357, and AB026628. |
| HDPJA26 | 1739 | 767110 | 1 - 455 | 15 - 469 | AW161353, AW161055, AF150432, AL136504, AF189723, AF181121, AF181120, and M93017. |
| HDPJB08 | 1740 | 921453 | 1 - 403 | 15 - 417 | |
| HDPJH05 | 1741 | 911170 | 1 - 2858 | 15 - 2872 | AA905416. |
| HDPJK06 | 1742 | 852781 | 1 - 438 | 15 - 452 | AP928173, and Z95115. |
| HDPJK73 | 1743 | 765446 | 1 - 403 | 15 - 417 | |
| HDPJN68 | 1744 | 752907 | 1 - 314 | 15 - 328 | T34282, T18874, AA983199, A1491817, AA579179, AA630672, AA010299, A1818231, F05641, AA425118, R12156, H15474, A1207363, AA513893, AL041373, AL041526, AL041527, F13380, AA410788, AA584170, AW022608, A1733856, A1056177, AA506744, AC005411, AC002431, AC009516, AC006552, AC006390, AL031432, AC004983, AL031283, AC005046, AC005953, AP000348, AB000931, AL035420, AL049830, AC006501, AC005756, AL031279, AB009667, Z83845, AL022237, AC004841, AC006312, AC005800, AC004812, AC002550, AC006313, Z69706, AC004534, AL078638, AL117694, AL022316, AC005071, AC002549, AC002070, AC006012, AC005305, AC012384, Z83856, AC003029, AL031466, AC007842, AF088219, AC012627, AC004675, Z84469, AC005759, AC006117, AC006480, AC002996, Z84483, AL031680, AC005837, AL133396, AL122020, AC005412, AC006120, AC005703, AC008975, AC004985, AC003080, AC005670, AL137191, AB023049, AL031591, AC006371, AL023913, AC002525, AF114156, AC005520, AP000281, AC004552, and AC007435. |
| HDPJO40 | 1745 | 711003 | 1 - 359 | 15 - 373 | AA578690, and T05118. |
| HDPJP32 | 1746 | 918630 | 1 - 476 | 15 - 490 | AF104015. |
| HDPJP79 | 1747 | 538038 | 1 - 465 | 15 - 479 | AI110883, and AC002476. |
| HDPJR11 | 1748 | 965011 | 1 - 329 | 15 - 343 | AW204366, AA865368, AA442937, AA436769, and AW197446. |
| HDPJU86 | 1749 | 785391 | 1 - 743 | 15 - 757 | AI703393, A1656220, A1457528, A1214558, W15512, AA888880, W39617, AA995374, N56658, AI202894, N47548, A1916559, H06953, R54815, R45929, R45928, T27096, AI203071, AA782845, Z41377, F04514, N30325, and N47547. |
| HDPKD52 | 1750 | 959653 | 1 - 1159 | 15 - 1173 | T20100, and AC003070. |
| HDPKD82 | 1751 | 778970 | 1 - 374 | 15 - 388 | |
| HDPKI40 | 1752 | 710991 | 1 - 355 | 15 - 369 | |
| HDPKK25 | 1753 | 677921 | 1 - 551 | 15 - 565 | AL031668. |
| HDPLB25 | 1754 | 965139 | 1 - 430 | 15 - 444 | H47933, N99775, AW391235, and R58738. |
| HDPLC45 | 1755 | 909091 | 1 - 816 | 15 - 830 | A1445866, A1816830, AA639828, R41845, AA258158, Z41214, H06057, F02752, T11904, and AL050333. |
| HDPLC60 | 1756 | 740144 | 1 - 382 | 15 - 396 | |
| HDPLD11 | 1757 | 966610 | 1 - 430 | 15 - 444 | AL120898. |
| HDPLD29 | 1758 | 690409 | 1 - 431 | 15 - 445 | |
| HDPLD57 | 1759 | 734528 | 1 - 412 | 15 - 426 | |

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| HDPLD89 | 1760 | 786704 | 1 - 421 | 15 - 435 | | | |
| HDPLE38 | 1761 | 706639 | 1 - 345 | 15 - 359 | | R58132. | |
| HDPLE63 | 1762 | 703477 | 1 - 433 | 15 - 447 | | AA642326, AI267274, AI183572, and AB020719. | |
| HDPLE75 | 1763 | 852685 | 1 - 447 | 15 - 461 | | | |
| HDPLE88 | 1764 | 625293 | 1 - 323 | 15 - 337 | | | |
| HDPLE96 | 1765 | 915966 | 1 - 437 | 15 - 451 | | | |
| HDPLF86 | 1766 | 785316 | 1 - 619 | 15 - 633 | | AA181731, AI343501, AL137607, AF109219, AB030280, AB030279, AB030316, and AB030312. | |
| HDPLG10 | 1767 | 964213 | 1 - 402 | 15 - 416 | | H45885. | |
| HDPLJ28 | 1768 | 840111 | 1 - 145 | 15 - 159 | | AW085622, AW135279, AA779541, AI627872, N51608, AA382892, AI272986, AA416724, AL045453, AI440260, AW082088, AI249877, AI589428, AL037602, AL046466, AW029611, AW104141, AI921379, AW089351, AI280751, AI285432, AI873923, AI590043, AW075522, AI680066, AL037582, AI347701, AW129106, AW172981, AW079119, AI956086, AI797908, AI698391, AI273901, AI537244, AI500504, AW074763, AI866503, AI673363, AI673278, AW051088, AW193231, AI432644, AW020397, AW074172, AI345415, AI889189, AI472566, AI633125, AI538564, AI815232, AI915291, AI491710, AW152182, AA928539, AI521799, AI884318, F27788, AW006032, AW130134, AI559524, AW087455, AW080746, AI345688, AI582912, AW163554, AI522052, AI697207, AA019328, AI859991, AI610690, AI249257, AI951868, AI963625, AI241744, AA862606, AI579901, AW105383, AI499890, AI866801, AI432030, AW104827, AI096481, AI580694, AW083374, AI500714, AI690748, AI670009, AI376872, AI679796, AA227975, AA580663, AI559555, AI890533, AI633062, AW148408, AI818683, AW104724, AI612852, AI922707, AI573032, AI962858, AW167083, AI583065, AI537024, AI648567, AI570909, AI435268, AI378080, AI538885, AI269862, AI538716, AW104062, AI636309, AI679672, AI580435, AW150225, AI631095, AI538850, AI362248, AI580451, AI312542, AW191844, AI684305, AW303089, AW131139, AA641818, AI559619, AI921464, AI267185, AW170673, H89138, AI523964, AW265004, AI961393, AA693331, AI624084, AI611743, AI912356, AW081322, AI621341, AL041105, AI452560, AL047344, AI687295, AI799313, AI366900, AI540674, AI473536, AA761557, AI866469, AI564723, AL048656, AI446124, AW151847, AI803778, AI016107, AI567883, W74529, AI690312, AI688858, AI677777, AW075669, AI702073, AI800473, AI371251, AW130681, AI263312, AA420722, AI536685, AI798456, AI678446, AW075305, AW192461, AI433157, AI952493, AI811840, AI002285, AI433994, AI866465, AI540458, AI799674, AI811644, AI564719, AW082607, AI254731, AI685005, AI469532, AI918809, AI887569, W48671, AI570807, AI352274, AW083778, AI345612, AI357599, AI862139, AW193038, AW081653, AI921176, AI683173, AI345416, AW129722, AI564500, AI679800, AI581033, AI291601, AI433600, AI909697, AI802542, AL048312, AL134712, AI619502, AI609580, AI627988, AI628015, AW021717, AI567846, AI682971, AL119828, AA744557, AI591387, AW128841, AI587606, AI241923, AA768478, AW169784, AI500061, AI933992, AW085786, AI280637, AW078895, | |

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| | | | | | AI469505, AW021373, AI863241, AI590021, AI537261, AI677797, N98597, AI623682, AI312210, AI582932, AI924713, AI567993, AI137429, U35846, AI122100, AI137533, AF177401, I48978, AI022147, X72889, AI050277, AF125575, AI133049, X53587, AC003032, AI137521, X53777, A65341, I48979, AI137529, AI137463, AI133557, AF061981, Z97214, L04849, AF102578, AJ005690, AI133112, AL078630, AL050149, AC006112, Y18680, AL080159, AI137488, AL049452, A49139, X93495, A93914, A08910, I28326, AC006288, AF087943, A08909, I08319, A08913, AR038854, A18777, A77033, A77035, A08908, AF130342, AI133113, A08912, AB016226, AI137478, X65873, I00734, A76335, AF141289, Z82022, E00617, E00717, E00778, AI133010, AF032666, AI122110, AF090943, AI137547, S68736, AI133031, Z82206, A08907, S78214, AL035067, AI133637, AF111851, AI137547, S68736, AI133031, AL080110, I89947, AL080074, AL031346, I89931, AL080124, AF113694, Y10936, AI137523, AL050172, E12806, AI137459, I89944, I89934, I32738, AF137367, I49625, X79812, Y11254, AF079763, AF153205, AL050116, A08911, AF139986, AI110269, A18788, AR068753, A21103, S76508, S36676, X80340, AC004686, AF183393, AI137574, AC006197, AI137275, AI137480, AR038969, L24896, AP000083, AL049283, AI122050, AL110221, AI117457, AI133568, AI122118, AF180525, AF106657, X83508, U95114, AI137550, A08916, AL035407, S77771, AF113019, AF076633, AF106697, AF104032, U72620, A58524, A58523, L04859, AF162270, AI5345, AF026816, X82434, AF090934, AF067728, AI137560, D89079, AI117416, X92070, M96857, AL080156, U80742, Y07905, AF038440, AI110218, AI17115, A18079, E15569, AI137539, U54559, L19437, AI117460, Z37987, S69510, AI110225, AL080148, AI137641, L04504, S71381, AI137276, S61953, AF078844, AF161699, AF082526, AF131773, U58996, AF031147, AF017790, AF047716, AF061795, Y14314, AF151685, AL096744, AL050108, U49434, A52563, AB029065, AF000145, U88966, E08516, AI137537, AI137627, AR020905, AI137556, AF031903, S78453, Y16645, A86558, A65340, AF118070, A83556, L30117, and M85164. |
| HDPLK49 | 1769 | 835603 | 1 - 275 | 15 - 289 | AI239321, and AP000542. |
| HDPLN06 | 1770 | 935010 | 1 - 422 | 15 - 436 | |
| HDPLN76 | 1771 | 921700 | 1 - 391 | 15 - 405 | AA481295, AA213873, and AF001549. |
| HDPL050 | 1772 | 724098 | 1 - 714 | 15 - 728 | AA355040. |
| HDPLT29 | 1773 | 958196 | 1 - 204 | 15 - 218 | |
| HDPLV74 | 1774 | 765334 | 1 - 467 | 15 - 481 | AL034375. |
| HDPM448 | 1775 | 582015 | 1 - 829 | 15 - 843 | AI760818, and AI769951. |
| HDPMC49 | 1776 | 852767 | 1 - 1468 | 15 - 1482 | |
| HDPMF53 | 1777 | 733466 | 1 - 384 | 15 - 398 | R60108, AI914747, W89152, AI371165, AW102980, H71659, U07562, AC002073, AL049576, Z95115, AC005832, AL009174, AC002551, AF110324, Z99291, AC002365, AL035659, AC002132, AC005015, AC004779, AC007151, AC004672, AL035405, AC007207, AL031713, AC004953, AC007011, AF111168, AL008726, AC002994, AF064860, AC006064, AC006430, |

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| HDPMH83 | 1778 | 661316 | 1 - 567 | 15 - 581 | AC004472, AL031276, M31951, and AC000394. |
| HDPMJ93 | 1779 | 852763 | 1 - 571 | 15 - 585 | AB001535, AP001064, and AP001063. |
| HDPMO62 | 1780 | 912722 | 1 - 570 | 15 - 584 | |
| HDPMF25 | 1781 | 678068 | 1 - 588 | 15 - 602 | |
| HDPMQ34 | 1782 | 956248 | 1 - 417 | 15 - 431 | AA678970, AA515440, AI110760, AA680243, AA679936, AI633479, AI732120, AC005919, AC004382, AC008072, AF196969, I44140, AC005722, AC006285, AC005881, AC002470, AF109907, AC004655, AC002077, U63721, U95739, AC005244, AP000114, AP000046, U62293, AC004531, AC009516, AL022324, AC005037, AC007386, AC005057, AB022785, AC008989, U62292, AC004854, AC005225, AC005740, AC004526, AC004253, AC005776, U78027, AL031283, AC006576, AC004876, AL021155, AL049776, AC005695, AL021407, AC020663, AL022312, Z98200, AL035422, AL139054, AP000065, AC002310, Z93023, AC004815, Z98051, AC005180, AL049760, AP000553, AL022336, AC007387, AC005920, AC005280, AC000353, U52111, AF134726, AC005215, AC000159, AF165926, AL033527, AL049692, AL135744, AL031311, AC004477, AC005015, AC004448, AC006026, AC007637, AC002404, AC006088, AC007225, AC005565, AC006539, AC007919, AC005846, AF047825, AC004858, AC000134, AL031985, AL132987, AC005821, AC005839, AL008582, AC004067, AC004651, AC005899, AC007388, AC005562, AC007773, AC005486, AC006571, AC016025, AC004851, AC004383, AL133243, AL133245, AL035683, AF053356, AL031680, Z86061, AC004895, AL024507, AC009044, AP000555, AL035458, AC005837, AL022163, AC005071, Z93020, AL008635, AC005480, AC005552, AF152363, AC005484, AC002059, AL023553, AC005399, AC004223, AF205588, Z84487, Z98743, AC004821, AF207550, AC002115, U95742, AL031432, AC004813, AC007845, AC005682, AL096791, Z95329, AC005479, AC006251, AP000350, AL009181, AC006388, AC008372, AC002418, AL049871, AC007216, AC005500, AC006254, AL049829, AL132777, AC002565, AP000302, AC003957, AC006115, AC005189, AP000493, Z94056, AC003695, AC006120, AL022721, AL023653, AC007536, AP000503, AL049780, Z83840, AC007055, AC005907, AC005859, AC000026, AC005755, AC012627, AC005609, AL031666, AC004882, AL049636, Z95115, AC004525, AC004601, AC002492, AF196970, AC007686, and AC005632. |
| HDPM542 | 1783 | 713759 | 1 - 460 | 15 - 474 | H84948, R88291, AW014470, AI810506, R85497, C15173, AA704157, AA286825, D81736, and N93232. |
| HDPMV53 | 1784 | 697470 | 1 - 535 | 15 - 549 | F09050, AA243386, C14449, AB007944, AF109076, AP000310, AC002301, AP000116, and I77096. |
| HDPMW22 | 1785 | 665153 | 1 - 452 | 15 - 466 | AA447328. |
| HDPMZ01 | 1786 | 916447 | 1 - 635 | 15 - 649 | AA418623, AA418556, AA253164, H11871, and F05796. |
| IHDPN03 | 1787 | 924082 | 1 - 97 | 15 - 111 | AC005913. |
| IHDPMC96 | 1788 | 934520 | 1 - 720 | 15 - 734 | AA256100, and AB023182. |

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| HDPN35 | 1789 | 973108 | 1 - 453 | 15 - 467 | |
| HDPN60 | 1790 | 974827 | 1 - 977 | 15 - 991 | AL138082, AW246260, AW247807, AW246149, A1878829, AW403641, R07062, AA687496, AW403272, AA687440, AA852531, A1659057, A1079775, AW005562, AF197060, AB009346, AB038365, AB038364, and U58884. |
| HDPN103 | 1791 | 924081 | 1 - 512 | 15 - 526 | AA883801, A1298498, N85346, and AA249868. |
| HDPN114 | 1792 | 767447 | 1 - 308 | 15 - 322 | |
| HDPOC44 | 1793 | 707241 | 1 - 660 | 15 - 674 | AA360824. |
| HDPOD96 | 1794 | 939770 | 1 - 264 | 15 - 278 | |
| HDPOF25 | 1795 | 852745 | 1 - 484 | 15 - 498 | AC003109, Z97055, and AC005630. |
| HDPOI52 | 1796 | 927699 | 1 - 884 | 15 - 898 | A1493647. |
| HDPOI93 | 1797 | 792193 | 1 - 378 | 15 - 392 | |
| HDPOK47 | 1798 | 973097 | 1 - 388 | 15 - 402 | |
| HDPOL60 | 1799 | 767953 | 1 - 170 | 15 - 184 | A1205285, A1264338, R48389, T57897, AA191491, R61591, A1365411, AA779717, AA227325, and AF056312. |
| HDPOL66 | 1800 | 681391 | 1 - 424 | 15 - 438 | AA909852, A1718702, AA830158, AA281962, AA283111, AA579393, AA814111, AA480552, AA477445, A1791799, AA807056, AA469312, AA653189, AW451366, AA814853, A1598013, Z84489, Z84814, Z84477, and AF060863. |
| HDPOX65 | 1801 | 674963 | 1 - 283 | 15 - 297 | AF001548. |
| HDPOY33 | 1802 | 702285 | 1 - 208 | 15 - 222 | |
| HDPOZ51 | 1803 | 926977 | 1 - 417 | 15 - 431 | A1014353, AA592982, and R17976. |
| HDPPA66 | 1804 | 870840 | 1 - 518 | 15 - 532 | T99407, and T97870. |
| HDPPC83 | 1805 | 683656 | 1 - 403 | 15 - 417 | |
| HDPPD59 | 1806 | 708334 | 1 - 223 | 15 - 237 | |
| HDPPG35 | 1807 | 579315 | 1 - 538 | 15 - 552 | A1767219. |
| HDPPG86 | 1808 | 923846 | 1 - 328 | 15 - 342 | |
| HDPPK33 | 1809 | 666510 | 1 - 557 | 15 - 571 | AA528168, AA417878, N75120, AA688401, A1689902, N59545, N59559, N78301, AA426418, AL037450, AW016155, and AA610394. |
| HDPPPL30 | 1810 | 692095 | 1 - 581 | 15 - 595 | A1453210, AA578690, A1950963, T05118, A1537407, AF036405, AC004408, AC007686, AC005666, AP000065, AC004985, AC005800, AP000347, AL049836, Z99716, AC005412, AF202321, A1229041, AL035458, AF107045, AC006006, AC000025, AL110502, AL050341, AC004491, AC005527, AC004686, AL035587, AC009247, AL031668, Z97876, AC007390, AF196969, AC008394, Z82188, Z95114, AC005789, AL078639, AC005529, AF111167, AL031295, AC010205, AL096791, AC004382, AC002300, AL132987, AC005907, AC005409, AC007731, AC006455, and AC005500. |
| HDPPM09 | 1811 | 625281 | 1 - 516 | 15 - 530 | AF041248, AF041249, and AF058759. |
| HDPPN33 | 1812 | 958993 | 1 - 136 | 15 - 150 | |

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| HDPPN59 | 1813 | 909867 | 1 - 711 | 15 - 725 | AA781406, AA304143, and AI079221. |
| HDPPQ88 | 1814 | 963382 | 1 - 629 | 15 - 643 | |
| HDPPP24 | 1815 | 812091 | 1 - 543 | 15 - 557 | AA082133. |
| HDPPQ39 | 1816 | 712993 | 1 - 463 | 15 - 477 | AI951092, AP000555, Z98304, AL024474, AL035464, and AC004655. |
| HDPPU30 | 1817 | 671973 | 1 - 327 | 15 - 341 | AL022238. |
| HDPPU44 | 1818 | 951276 | 1 - 437 | 15 - 451 | AI741964, AA361063, and AR035946. |
| HDPPW36 | 1819 | 785239 | 1 - 392 | 15 - 406 | N25176, AB013139, AC004612, AF069291, and AF049895. |
| HDPPX43 | 1820 | 674958 | 1 - 291 | 15 - 305 | |
| HDPQA91 | 1821 | 973075 | 1 - 799 | 15 - 813 | AL134920, AW392670, AL119355, AW384394, U46341, AW363220, AL119443, AW372827, AL119341, AL119497, AL119319, AL119457, AL042542, AL119324, AL119335, AL119396, Z99396, U46347, AL119399, AL119484, AL119363, AL119391, U46350, U46351, U46349, U46346, AL119444, AL119483, AL037205, AL042433, AL042614, U46345, AL134524, AL119439, AL119522, AL134902, AL134527, AL042975, AL119496, AL042450, AL042965, AL119418, AL142131, AL042984, AL042544, AL042980, AL042970, AL043019, AL043029, AL043037, AL042978, AL079683, AL043011, AL043033, AL042551, AL043003, AL119464, AL119320, AL119488, AL042850, AL043039, AL043008, AL042973, AL042428, AC006238, AB026436, AR054110, A81671, AR060234, AR066494, AR069079, and AR043113. |
| HDPQC21 | 1822 | 786516 | 1 - 347 | 15 - 361 | AA844106. |
| HDPQC83 | 1823 | 830539 | 1 - 465 | 15 - 479 | |
| HDPQJ45 | 1824 | 928430 | 1 - 309 | 15 - 323 | AI708005, AI001764, H78032, N67343, AA302697, AI270524, AA086150, AW157492, AA338167, AA338659, AI634691, AI678785, AI879394, AA449710, AI591375, R65651, AA855056, AI932600, AA845700, AA095637, AI053911, AF034194, AF037630, AI858864, AA074342, AW302724, F17142, AA847702, AA722297, AA679538, AI921043, AL042927, AI355414, AI932932, AA746726, AA287339, AA719073, AI733856, AA961035, AA077401, AI054414, AA737321, H64265, AA747009, N55515, AI798493, AA083215, R88067, AA363815, H11824, AA828062, AA503587, AI817230, AI922930, AW089898, AI494417, AI732789, AA493110, AA569786, AW069227, AI307565, AA381138, AW081303, AA630535, T47324, H69089, H65109, AA608715, AI634187, AA568494, AA605201, F36184, AI457313, AA587991, C15060, AA837035, T35761, AA833896, AA833875, H83470, AW270784, T51005, AI206669, AW302017, T52857, AI348678, AI367473, AI002708, AI916218, AC007536, AC005771, AC005340, AC005953, AL049773, AC002072, AC006972, Z93848, AL008716, Z70280, AC010382, AC004896, AC005050, M87898, AI010770, AF092858, AF116241, U51280, AF001551, AC004882, AC007999, AC007199, AL034375, AL021154, AL117352, AL031311, AC006120, AC009336, AC001228, AC006953, AL080242, AL078477, AC003086, AC005529, D63861, AC004799, AL020998, U07563, AC004584, AC009247, AP000356, AC004821, AC004098, M87926, AL023882, AC005933, AC006958, AL078584, AB023049, Z82214, Z84572, Z97181, AC006011, AC007559, AP000512, AL137430, AC004796, Z46936, AL117330, |

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| | | | | | AC004400, AC004476, AL050311, AC005200, AC004149, AC006262, AL008729, AL035460, AC005399, AP000350, AC003013, AC007842, AL021395, AC004019, AL137578, AC003965, U82694, AC004783, AC004706, AC002377, AC010205, AC005829, AC005409, AC008080, AC006305, AC000067, AL035086, AP000017, AC002351, AP000555, Z69925, AF029081, U72788, AP000322, AC005625, AC005796, AC005885, AP000089, AP000142, AP000053, AP000121, AP000167, AC006597, AC002468, AC002426, AC008163, Z83826, AL035415, AL035088, AC006454, AC002456, AC005234, AL109628, AC006952, AF053356, AL050317, D87675, AC005578, AC007191, AL118507, AC005370, AC005841, AP000152, AP000010, AC005049, AL049557, AP000469, AC005921, AF165124, AC007298, I34294, Z97054, AC005800, AL049843, AC002312, AC007688, AL035681, AL109952, AL031296, U07561, AC002133, AC004517, AC005379, AC003963, AL031273, AC004834, U40455, AL035412, AC005193, AL031276, Z83822, AL031588, AL034424, AL133245, AL121653, AL049696, AC005138, AL079342, AL033397, AC004887, AC007917, AC006241, AC005037, AC006312, AC005695, AL022165, M87915, AC007193, U75931, Z81364, AC006071, AP000513, AL031315, AC005914, AC007666, AC005919, AC002299, AC007435, AC005624, AC004791, AC009363, AL110505, Z68282, AP000692, AC004510, AC004644, AC007314, Z98755, AC005837, AC008123, AC002369, Z85987, AL109627, AL031846, AC007314, Z98755, AC005837, AC008123, AL133448, AC005089, AC007363, AC006211, U66061, AL050331, AL096775, AC006088, AP000159, AC003112, AP000558, U82670, AP000261, Z99715, AC005903, AF024533, AC006130, AC005365, AC002316, Z98048, AF031078, AP000035, AP000100, Z81369, AF124523, AL035588, AL034420, AF227510, AC005273, AC004825, Z99943, AL080317, AL079295, AC004057, AL021407, AC005088, AL121754, AC006538, AL022323, AC008124, AC005871, and AC004025. |
| HDPQL15 | 1825 | 789876 | 1 - 415 | 15 - 429 | |
| HDPQL64 | 1826 | 746043 | 1 - 394 | 15 - 408 | |
| HDPQL72 | 1827 | 760934 | 1 - 382 | 15 - 396 | W73902. |
| HDPQN03 | 1828 | 923168 | 1 - 437 | 15 - 451 | |
| HDPQO40 | 1829 | 949723 | 1 - 1727 | 15 - 1741 | AL680867, AA973037, AA868809, AW291165, AW169977, AA459970, AA235170, AA460062, AA235071, AA811821, AA234899, AW243583, R50382, T19463, R47735, AA765007, and AA748788. |
| HDPQQ77 | 1830 | 739816 | 1 - 363 | 15 - 377 | |
| HDPQR31 | 1831 | 741278 | 1 - 422 | 15 - 436 | AC003695. |
| HDPQU30 | 1832 | 768771 | 1 - 464 | 15 - 478 | |
| HDPQV63 | 1833 | 744471 | 1 - 307 | 15 - 321 | H09185, F12161, T75262, and T65253. |
| HDPRE08 | 1834 | 958933 | 1 - 661 | 15 - 675 | H00911, H84847, and AP000404. |
| HDPRE10 | 1835 | 961306 | 1 - 400 | 15 - 414 | AC005105. |
| HDPRG09 | 1836 | 828572 | 1 - 366 | 15 - 380 | AL653128, AA608839, AL082182, AA294981, AW451945, AA361764, AL610135, AW402400, |

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| HDPRH02 | 1837 | 919404 | 1 - 777 | 15 - 791 | AA926743, AA759066, AA287428, AL039683, and AB033038. AI348070, AI373167, AI378134, AI553832, AI816769, AA804474, AI401522, AA887492, AI084865, AA741486, AI796192, AA913644, AW071892, AI942465, AW007026, AA279724, AI381670, AI292178, AA279692, AI291674, AW291184, AW298288, AW452501, AI224978, AI301454, AA913182, and AI378100. |
| HDPRH59 | 1838 | 739077 | 1 - 604 | 15 - 618 | AA213441, and AF017714. |
| HDPR139 | 1839 | 773790 | 1 - 392 | 15 - 406 | R45733. |
| HDPR158 | 1840 | 724652 | 1 - 370 | 15 - 384 | AC005803. |
| HDPRN15 | 1841 | 577985 | 1 - 439 | 15 - 453 | |
| HDPRP29 | 1842 | 690399 | 1 - 606 | 15 - 620 | AI174237, and AA019204. |
| HDPRP83 | 1843 | 773394 | 1 - 452 | 15 - 466 | AC006213. |
| HDPRS79 | 1844 | 774077 | 1 - 288 | 15 - 302 | AW236973, and AI521731. |
| HDPRY05 | 1845 | 958822 | 1 - 455 | 15 - 469 | |
| HDPRY33 | 1846 | 893790 | 1 - 555 | 15 - 569 | AI984149, T83298, T90781, AI598260, R94426, T80416, and Z97352. |
| HDPRY70 | 1847 | 677782 | 1 - 330 | 15 - 344 | AW027929, AI672172, AW027716, AI313156, AI831852, AI738441, AI816795, AI990910, AI824006, AI961202, AI566917, AI394023, AW241527, AI693976, AI985370, AI384116, AI333382, AI768254, AI366852, AI337214, AI264540, and AC004917. |
| HDPSC55 | 1848 | 731496 | 1 - 308 | 15 - 322 | AI815715, and AB028996. |
| HDPSG10 | 1849 | 961323 | 1 - 443 | 15 - 457 | AA310474, and AI831536. |
| HDPS184 | 1850 | 782867 | 1 - 409 | 15 - 423 | RI6664, T82134, and AL031133. |
| HDPSM07 | 1851 | 620372 | 1 - 587 | 15 - 601 | N59251, AA504245, AI679277, AI922887, AI161077, AI767882, AW337496, AW138439, and AI679851. |
| HDPSO36 | 1852 | 959141 | 1 - 418 | 15 - 432 | AI521731, and AW236973. |
| HDPS57 | 1853 | 734507 | 1 - 563 | 15 - 577 | AW264023, AI193596, AI276007, AI828424, AI342582, AI291713, AI140006, AI858631, AI500563, AI914656, H81012, AA847341, AA828840, AW339694, AI570067, AA873661, AA593168, AW238423, AW085626, R79396, R91350, AW243516, AW059706, AA947352, AA364082, AW028376, AI281622, AA632355, H83558, AA640563, AI760575, AI446618, R00693, AA364147, AI904126, AA991640, AW022796, AA515727, AI282322, AA420531, AA657834, AI003620, AI572680, AA493814, AI268465, AI814863, AA359194, F34164, AA310753, AW166996, AI500315, H57802, AA419014, AA502862, AL031427, AC003029, AF111168, AC006079, AC006071, AC004996, AL021546, AC005520, AC004233, AL021937, AL050318, AC005914, AC007314, AL021331, AC008372, AL133245, AL121653, AC002351, U07000, AL079304, AP000503, AC002425, AC005581, AF134726, AC006160, AL031255, AL049872, Z97056, AC004081, AC005911, AL034420, AL034371, AL050338, AC004126, AL035422, AC002094, AF195658, AC006285, AC005585, AL121658, AL133448, AL022165, AC007066, AC004801, AC005800, AC004099, AL031121, AC004893, AD0000864, AF038458, |

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| | | | | | AF053356, AC006449, AC004909, AL031133, AL008719, AL023694, AC005102, AL049540, AC005225, AC004814, AC004883, AF001549, AP000112, AC004770, AL109613, AL031591, AL049780, AC004228, AC006530, AL035587, AL050308, AC004834, Z96074, AC004821, AC005011, AC005255, AC006162, AC008041, Z93017, AC004890, AC005006, AF176815, AC004151, Z82184, AC005759, AL109758, AC002407, L44140, AC005046, AC005015, AC005257, AC005755, AC007277, AC004997, AF139813, AC004087, AP000356, AL031229, AL121603, AC005003, AC002996, AP000008, AC005049, AC005303, AL034423, AC005696, AC006538, AC004686, AC005273, AP000704, AL049743, AC002369, AL024498, Z98941, AL008710, Z99297, AC002558, AC008040, AC008171, AC000353, AL050325, AL117694, AL034379, Z97634, AL022326, AL035417, AL033521, AC002316, AL008726, AC003043, AC004648, AC002430, AC005519, AL031311, U73169, AC005043, AC006581, AL049759, AP001065, Z95116, AC007384, Z83820, AC005821, AP000244, AC007993, AL133246, AC005740, AC005399, AC005041, AC004812, AC016830, AL049776, U51280, AC007367, AL096774, AC005531, AC007308, AF039904, AL109627, AP000114, AC002991, and AL008734. |
| HDPSU54 | 1854 | 670838 | 1 - 347 | 15 - 361 | AL043945, AF159295, and U64205. |
| HDPSV04 | 1855 | 614924 | 1 - 410 | 15 - 424 | |
| HDPSV29 | 1856 | 690415 | 1 - 423 | 15 - 437 | AA403069, AW410514, AI751649, AA486011, and AA099117. |
| HDPSY30 | 1857 | 691778 | 1 - 342 | 15 - 356 | |
| HDPTC31 | 1858 | 878639 | 1 - 355 | 15 - 369 | D86967. |
| HDPTJ25 | 1859 | 706448 | 1 - 365 | 15 - 379 | AW084431, AA279385, R70884, AW272389, AA984920, R70883, F33820, AA158549, AA158550, AA092704, AA126271, H81732, T52745, AW071109, AI469468, AI627917, AI298079, AA229159, AI567391, AL041682, T98915, AA425924, AL047480, AA381775, AI564215, AA582746, F23268, AI279417, AL041681, AI078409, AA932787, AA948727, AA523695, W81372, AA808847, R99613, AL044489, AA197019, C75139, R09127, AI204309, AL047645, AI928890, AI921348, AW316599, AA015948, AW132065, AA558404, AA458534, AA977419, AA772704, AA515631, AI613465, AI242614, AW193523, AA572824, AA568307, AA746939, AA526413, F07564, AA070462, AA487300, R98409, AI933478, AA830615, AA744021, AI749306, AI345497, AA334091, AA837529, AW055286, AI630894, AA904211, F33126, AA743794, R87135, AA074252, AA811954, T08205, AA831638, N92697, AA371003, H62923, AA548221, R96427, R48980, AI859906, AW023515, H71659, AI289050, AA890060, AA303165, AI284092, AW151761, H73550, AI587349, AI565445, AI668566, AA504892, AA372293, AI800345, AA730488, R98835, AW265126, W23432, AA604515, AA720582, AA782322, AL037777, AW265688, AW118963, H48768, AI476460, AI249688, AA669747, AI275982, AI686563, AI954464, H73306, AI360504, AA230155, AI692245, AI818702, AI096714, AA077637, AA515160, AA973971, AI811319, AA572813, AW083706, W42587, AA831801, AI929298, R29092, AA652830, AA320105, AA309457, AI929825, AA506952, U46402, AI188049, T05276, AW151541, AW169390, N30650, AI733523, AA620498, AI459733, |

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| | | | | | AW083728, AI038304, AI654305, AA354695, AA909816, AW157180, AI141130, AI253376, AI566236, AI754567, AI569100, AW192599, AI754105, AA351808, AI755214, AI784258, AI624800, AA832016, AI671077, AA665475, AA586433, AI080307, AI671695, AA192189, AA598627, AA533923, AA493618, AI537108, AA612578, AI653776, AI096738, AI006995, AC000394, AC004079, AL031984, AF043945, AI239318, AL049911, Z97183, AL035551, AC007114, AC007387, AC006017, AL121838, AC002072, AC005666, AC004230, AC007263, AL109623, AC008150, AP000702, AP000701, AL035443, AC002477, AC005295, AL078600, AC005746, X54156, U94788, AC003681, AC004783, AC005320, AL034548, AC007773, AC005881, AL049553, AC004991, AC005602, AC004900, AL035413, AC016027, AC016830, AC002385, L12582, AP000317, AP000051, AP000119, AP000166, AL035703, AC000026, AC007192, AC005777, AL009183, AC000118, AF207550, Z84469, AC005972, AC007298, AC002059, AP000288, AP000109, AP000041, D87009, AC006040, AC005006, AL049557, U91321, AC005067, AL020993, AC003070, AL031000, AF111169, AF064857, M22970, X64467, AC005480, AC002301, AC003982, AC006251, AC002073, AC004982, AL096678, AC007036, AC002381, AL133162, AF072711, AC004796, AC004787, Z86090, AC004885, AC005203, AC004856, AL122020, AC010200, AC006111, AP000547, AC006430, AC004601, AC005364, Z68284, L48038, AL021453, AC002492, AL008707, AL021392, AC006236, AC007671, AC005237, L44140, AC010170, AC002287, Z94802, AC003026, AL109839, AL049631, AC005378, AL121603, AC005844, AC006317, AL031311, AC006480, U91323, AC005899, AC007308, AC002470, AC004232, AC007205, AF031076, AC004819, AF031078, AF030876, AC005695, Z82195, AF118808, AL109963, AL031009, AP000549, AC005514, AC005182, AL034554, AC006137, AL031983, AC002347, AL021578, U52111, AL031117, AC005531, AC006120, AC005082, AC006946, AC009731, AL034420, AC009509, Z93244, AB020864, AL023553, AC004685, AL031589, AL022162, AC002456, AC004551, AC010205, AC005803, AC005409, AF139813, AL096791, AC007917, AF111163, Z82171, AC005391, AL008719, AC005593, AL022343, AL033524, AL035419, AC005393, AC006006, AC007993, AL049636, AC003108, AC002094, U96629, AL096701, AL049871, AL022721, AC007656, AL022067, AL132800, AC008125, AL031591, AC005015, AC004522, AC004770, AC004228, M29929, U73634, AP000699, AC006276, AC005581, AP000300, AC000015, AL034421, AP000045, AP000113, AC004055, AL049643, AC005045, AL023581, AP000556, AP000557, AC007014, AL121769, AC006948, U91324, AL110200, AC006025, AC004832, U08988, U73647, AC004262, AC004762, AC004938, AL031657, AL109984, AC006101, AC004616, AC007347, AF001550, AC007225, Y07848, AL078639, Y10129, Z83856, AP000305, U91629, AP000690, AP001063, AP000047, AC006130, AL008582, AC004935, AP000115, AC004263, AF124523, Z99128, AL031588, AC005371, AL022316, AP000553, and AC005696. |
| | | | | 15 - 1031 | AA255804, AW274671, AW450051, AA256697, AA810976, AA731140, AA831863, AA737424, and AA761219. |
| HDPTJ79 | 1860 | 669209 | 1 - 1017 | | |

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| HDPT071 | 1861 | 760142 | 1 - 662 | 15 - 676 | AW131249, AL048534, AI783898, AA504896, AA668340, F17149, AI700109, AW277171, AA468022, AI309643, AI110595, AC008122, AB023048, AC002350, AC005837, AB001523, AF053356, AC005874, AF134471, AF111168, AL035450, AC007227, AC006077, AC005242, AC005197, AC002369, AL034423, AC005529, AC000353, Z82206, U66059, AP000356, AC005363, AC004643, AC004149, AC002558, Z81314, AL049748, AC005409, AC002312, AC007382, AC007955, AC020663, U91327, AL096791, AP000689, A1250235, Z98257, AC004447, AC006011, AP000557, AC005747, Z84476, AC007934, AF031078, Z93928, AC006285, AC004598, AF030876, AC007787, AP000141, AC005952, AC006039, AL133448, AL109627, Z93017, AC006966, AP000088, U73479, AC005695, AL096710, AP000036, AC006480, AC005411, AC006029, AL049832, AC005399, AC007536, D87675, AP000688, AC005570, L78833, AL031255, AL031286, AC009516, AC000025, U73636, AC000081, AL080243, AC005696, AC005257, AC007387, AC002378, AC006544, AL049776, AL049845, AC005512, AC005913, AC007226, AC005081, AP000692, AC006512, AC007022, AL096775, AL031662, AF064861, AC007919, AC003982, AC007845, AP000355, X69907, AC005015, AL008712, AC002059, AC006137, AC007051, AC006071, AL022163, AC004634, AC007040, and Z98752. |
| HDPT07 | 1862 | 741632 | 1 - 355 | 15 - 369 | AL079725. |
| HDPTS95 | 1863 | 906940 | 1 - 489 | 15 - 503 | AW298312, AW298314, and AB033097. |
| HDPTT20 | 1864 | 669029 | 1 - 316 | 15 - 330 | Z84488. |
| HDPTU30 | 1865 | 691181 | 1 - 343 | 15 - 357 | AL049795. |
| HDPTU66 | 1866 | 697690 | 1 - 374 | 15 - 388 | |
| HDPTU95 | 1867 | 876582 | 1 - 312 | 15 - 326 | |
| HDPTW90 | 1868 | 722699 | 1 - 565 | 15 - 579 | |
| HDPU28 | 1869 | 852687 | 1 - 252 | 15 - 266 | AI417133. |
| HDPUF77 | 1870 | 769852 | 1 - 246 | 15 - 260 | |
| HDPUF94 | 1871 | 861520 | 1 - 438 | 15 - 452 | H82937, AA418494, AA418396, AI064869, AW051301, T84203, F18098, AA846353, AA767276, T11545, H58588, T82034, AI609370, AA594971, U80017, AC002527, AC002302, AC004799, AC003010, AC004821, AC005011, AC005225, AL023755, AP000962, AC005071, Z80902, AP000502, AC002326, AF134726, AC005329, AC005031, AL133355, AC004922, AC004491, AC004839, AC004143, AC004976, AC004125, AC005564, AC002132, AC007151, AC002549, AL034419, AL009031, AC005763, AF024533, AC008015, AC005899, AL035685, AB026906, AC005162, AC006014, AC007546, AC006251, AC002301, AC002112, AC005015, AC007225, AL023807, AC003048, AC004878, Z97200, AC005488, and AC005764. |
| HDPUG06 | 1872 | 968313 | 1 - 459 | 15 - 473 | AC002091, and AC003695. |
| HDPUQ02 | 1873 | 973235 | 1 - 683 | 15 - 697 | AC006238. |
| HDPUS62 | 1874 | 604483 | 1 - 365 | 15 - 379 | AI500481, F06397, AW148768, AI681168, N36045, AI133235, AA491120, R18846, T90676. |

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| | | | | | AA054341, AL039390, AL046681, AI890907, AL046137, AI249936, AL044204, AI049726, AA598862, AL042551, AI672187, AL045166, AI431235, AI888022, AW151136, AL120789, AI932620, AW058275, AI866484, AL042009, AI366900, AL047188, AL135730, AI689247, AI623302, AI884585, AI538615, AI431307, AI431316, AI431238, AI924051, AI920975, AI866786, AI431315, AI682915, AI866465, AI815232, AI801325, AI866691, AI500523, AI538850, AI887775, AI582932, AI590043, AI872423, AI923989, AI284517, AI500706, AI491776, AI445237, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AW151974, AI285417, AI284509, AI582912, AW172723, AI539800, AI499512, AI889168, AI538885, AI440263, AI927233, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI872310, AI888118, AI285439, AI859991, AI436429, AI355779, AI889147, AI623736, AI581033, AI371228, AI491710, AI440252, AI872315, AI440238, AI432656, AI567971, AI860003, AI610557, AI242736, AI539260, AI828574, AI887499, AI539781, AI702065, AI539707, AI885949, AL133074, Y17793, AL133076, AL133053, AL133049, and AL133078. |
| HDPVD09 | 1875 | 774165 | 1 - 723 | 15 - 737 | |
| HDPVE36 | 1876 | 706712 | 1 - 546 | 15 - 560 | AA256770. |
| HDPVG11 | 1877 | 966556 | 1 - 910 | 15 - 924 | AW068637, AI003761, AI039369, AI380538, and AL137555. |
| HDPVH13 | 1878 | 656711 | 1 - 581 | 15 - 595 | W26587. |
| HDPVL94 | 1879 | 927023 | 1 - 463 | 15 - 477 | Z81450, and AC004652. |
| HDPVQ96 | 1880 | 796133 | 1 - 389 | 15 - 403 | AA777374. |
| HDPVR71 | 1881 | 740340 | 1 - 850 | 15 - 864 | AA082562, and AC007899. |
| HDPVU35 | 1882 | 852616 | 1 - 623 | 15 - 637 | |
| HDPVV46 | 1883 | 718160 | 1 - 399 | 15 - 413 | AB002344. |
| HDPVV95 | 1884 | 582503 | 1 - 351 | 15 - 365 | |
| HDPVW13 | 1885 | 656715 | 1 - 585 | 15 - 599 | AC006207. |
| HDPVY53 | 1886 | 727593 | 1 - 317 | 15 - 331 | AA948370, AC005390, and AB023180. |
| HDPVY58 | 1887 | 710458 | 1 - 365 | 15 - 379 | AL038081. |
| HDPWA55 | 1888 | 963474 | 1 - 408 | 15 - 422 | AC006966. |
| HDPWD25 | 1889 | 677764 | 1 - 500 | 15 - 514 | |
| HDPWE80 | 1890 | 909916 | 1 - 932 | 15 - 946 | AA172104, AA232124, AI986306, R58806, AA081848, and AA232093. |
| HDPWE88 | 1891 | 857980 | 1 - 427 | 15 - 441 | R18560, R13864, Z41866, AA333327, AA016124, AF107834, AF119386, AF097723, AF009513, and AF107835. |
| | | | | | AI758788. |
| HDPWH10 | 1892 | 967692 | 1 - 472 | 15 - 486 | |
| HDPWN34 | 1893 | 703814 | 1 - 451 | 15 - 465 | AA714632, D45305, AA307780, and AI923248. |
| HDPWY46 | 1894 | 915964 | 1 - 462 | 15 - 476 | AL120101, AW246324, AF034175, AI460387, AW401572, AA338094, AA348155, AA316673, AA337791, R59433, U46268/AW402296, AA955027, AA393071, AF061738, AC006160, and |

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| | | | | | | S65367. |
| HDPXE68 | 1895 | 852626 | 1 - 635 | 15 - 649 | | AF004231. |
| HDPXF52 | 1896 | 726450 | 1 - 440 | 15 - 454 | | AI697586. |
| HDPXL59 | 1897 | 615543 | 1 - 568 | 15 - 582 | | AA115345, N51515, AW297689, AA115304, N51527, AI925591, and AL080209. |
| HDPXL68 | 1898 | 707532 | 1 - 830 | 15 - 844 | | AA789296, and AI420081. |
| HDPXP04 | 1899 | 614895 | 1 - 745 | 15 - 759 | | T62674. |
| HDPXU29 | 1900 | 852638 | 1 - 519 | 15 - 533 | | H72530, AI207465, W52505, AI311647, AA174017, N72717, AA007673, N68472, AA773302, AA174016, AA223762, AI371165, N71291, AI457389, AL121782, AL008718, AC005833, AC004531, AC002369, AC005759, AL049757, AP000533, X77737, Y12851, X77738, L35930, AL031672, AC009336, AF109907, AP000553, AC007022, AF157814, AC004813, AC010205, AC005066, AL034552, AF001552, AC002395, AC005291, AC005789, AC000159, Z98941, L78833, AC003102, AL031591, AC000067, AC000093, AC007243, AF053356, Z49258, AC002375, AC006121, AC004828, AC006236, AC006388, AC005305, AC001231, AC006001, AC002086, AL008712, AC005695, AL050321, AL049544, AL035420, AC000105, AC006543, AC005664, AL022336, AC005911, AF111168, AC004805, AC006547, AC007533, AB014084, AC004659, AC006544, Z95118, AC004032, AL132992, AC004752, U07000, AL117258, AL031680, Z98742, AC004966, AF006487, AP000501, and AC003983. |
| HDPXW75 | 1901 | 951320 | 1 - 771 | 15 - 785 | | N46466, AI337376, W86648, AA522544, AI279721, AI341807, AI651516, AI245138, AI262580, and W86523. |
| HDPXX01 | 1902 | 915914 | 1 - 392 | 15 - 406 | | |
| HDPXZ92 | 1903 | 743429 | 1 - 673 | 15 - 687 | | |
| HDPYC51 | 1904 | 919000 | 1 - 333 | 15 - 347 | | AA831180, AA593812, AI608672, AA877902, AA845911, AW136605, AA831016, AW139428, AI920936, AI421209, AL138419, AL138420, W70159, AA034272, AI143351, W96568, AI870975, AI129781, AI749544, AA029334, W96468, AI801387, AI424505, W87792, AI342176, AI363136, AI310128, AI343371, AA029335, AI138774, AI217508, AI337280, AI832175, AI018551, AW195185, AW080907, AW009317, AA033560, AA339417, AW245250, AA523730, AI658874, AW138805, W70198, AW340796, AA781337, T89101, AA032082, AA746107, AI659538, AI989852, W87672, AI699899, R46554, R46555, AA340560, AI499481, AI890907, AI623302, AI431307, AI561147, AI866786, AI431316, AI431238, AL043278, AI815239, AI500659, AL134524, AW193598, AI866465, AI815232, AI801325, AI866691, AI500523, AI804505, AI538850, AI887775, AI582932, AI434223, AI872423, AI590043, AI284517, AI923989, AI500706, AI491776, AI445237, AI289791, AI926593, AW151138, R50170, AI521560, AI889189, AI500662, AW151974, AI285417, AW172723, AI284509, AI539800, AI582912, AI889168, AI538885, AI440263, AI927233, AW058275, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI890472, AI436429, AI859991, AI623736, AI355779, AI889147, AI581033, AI371228, AI491710, AI440252, AI440238, AI924051, AI567971, AI610557, AI860003, |

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| | | | | | AI242736, AI539260, AI828574, AI887499, AI539781, AI539707, AI702065, AI885949, AI285419, AI559957, AW089557, AI521571, AI469775, AI866581, AW074057, AI567953, AI815150, AI446495, AL040491, AI889191, AI867068, AI952433, AL039390, AI225248, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, AI371229, AW151107, AL042551, AI371237, AI249936, AW194509, AI432644, AI355008, AL045166, AW151979, AL046681, AL039287, AI963852, AI494201, AI866458, AL046137, AI537677, AI371251, AI440260, AI866510, AI784016, AI499535, AI866461, AI923046, AI865995, AI521228, AI672187, AI955221, AI682915, AI500518, AW151132, AI432666, AI539771, AI689247, AI289386, AW151136, AI924024, AW132015, AI561170, AI690946, AI469764, AL047611, AI648567, AI433157, AI432650, AL048403, AI362391, AI521596, AI433978, AI828584, AW151970, AI801286, AI866484, AI687588, AI432653, AI474699, AL042787, AI431323, AL042655, AI431321, AI371243, AI431315, AI469754, AI499543, AL042533, AW081103, AL042853, AI345471, AL043166, AI432656, AI440236, AI289747, AL008718, AB023147, AL133076, U85195, AE000658, AL133053, AL122101, AL133049, AF126531, Z69719, AF045555, AL049538, AL133655, U30290, AL133074, E13998, AC005826, AC007358, AL023280, AL031282, AC005345, AR059958, AL133020, AL121603, AL031407, AC004544, AL049776, AC005993, AL031390, AL022324, AP000299, AP000113, AP000045, AL049795, AC005482, AC005483, U89387, AC006002, AC004656, AC005520, AR015970, AC004900, Z94162, AC005074, AC002078, AC004027, AC002430, AL009029, AC007384, AL121915, AF002985, AR055519, and AR034821. |
| HDPYD58 | 1905 | 726288 | 1 - 323 | 15 - 337 | AW179153, AW179151, AW179152, AW179089, AW179088, and AL122043. |
| HDPYD92 | 1906 | 791222 | 1 - 207 | 15 - 221 | |
| HDPYE96 | 1907 | 717598 | 1 - 485 | 15 - 499 | AB011158, and Z61808. |
| HDPYF79 | 1908 | 774272 | 1 - 498 | 15 - 512 | |
| HDPYH79 | 1909 | 886845 | 1 - 168 | 15 - 182 | |
| HDQDU40 | 1910 | 791340 | 1 - 621 | 15 - 635 | T87457, T99432, W88845, R06479, and AA226858. |
| HDQEA94 | 1911 | 793378 | 1 - 633 | 15 - 647 | |
| HDQEC77 | 1912 | 771351 | 1 - 669 | 15 - 683 | AW021230, T97381, D87685, and AF091622. |
| HDQEC82 | 1913 | 779149 | 1 - 481 | 15 - 495 | AL119443, AW392670, AL119363, AW372827, AL119319, U46346, AW363220, AW384394, U46351, AL119497, U46349, AL119496, AL119457, AL119335, U46350, AL119484, AL119391, AL119444, U46347, AL119324, U46341, Z99396, AL134518, AL042970, AL119355, AL119483, AL119341, AL119439, U46345, AL134524, AL042965, AL119522, AL042614, AL042995, AL119399, AL037205, AL119396, AL134538, AL119418, AL119304, AL043029, AL042450, AL042975, AL042850, AL119320, AL042544, AL042542, AL043019, AL042984, AL119464, AL042551, AL043003, AB026436, A81671, AR054110, AR060234, AR066494, and AR069079. |
| HDQEF04 | 1914 | 927024 | 1 - 553 | 15 - 567 | N75118, AL022157, and Z82211. |

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|---------|------|--------|----------|-----------|---|
| HDQEF89 | 1915 | 786393 | 1 - 531 | 15 - 545 | |
| HDQEF75 | 1916 | 766698 | 1 - 392 | 15 - 406 | |
| HDQEN22 | 1917 | 931041 | 1 - 508 | 15 - 522 | |
| HDQES62 | 1918 | 792766 | 1 - 661 | 15 - 675 | AW269444, AA669114, AW082136, AI914499, and AC000398. |
| HDQET03 | 1919 | 923015 | 1 - 478 | 15 - 492 | AL119391, AA833896, AA833875, AA457070, AI640411, AA721645, AA828739, AA829154, AI017251, AI811653, AA655005, AA834885, AI887716, AW089898, R08918, AA584125, AC004066, AC005209, AC006960, AC004707, AC007664, AC007327, AC007225, AC005828, Z85986, AP000503, AC005375, AF134726, AC008018, AC005944, AC003991, Z95115, AL033527, AL133163, AC006958, AC004993, Z82178, AL035405, AC005011, AC004106, D28126, Z49155, U07561, AC005954, AF002997, U95739, Z81364, Z85987, AL031282, AL008721, AL031673, AC004590, AC006316, AC007388, AC004832, AC007876, AC005516, AC000111, AD000813, AC005763, AC002316, AL023799, AL022312, AL049795, AL034549, AL022165, AC005688, AC006430, AL031643, AC006128, AC004542, AC004552, AL136297, AC005562, AC005783, AL009183, AP000252, AP000030, AP000212, AP000134, AC005996, Z82205, AC007283, AL031281, AC005484, AC006011, AC006328, AC005037, L78833, AC007533, AC006050, U62293, AL050307, AC007540, AC006312, AC007114, and AP000690. |
| HDQET24 | 1920 | 805486 | 1 - 642 | 15 - 656 | AW450053, F11194, and U91321. |
| HDQEU26 | 1921 | 959940 | 1 - 503 | 15 - 517 | |
| HDQEU63 | 1922 | 852614 | 1 - 524 | 15 - 538 | D25538, and Z49806. |
| HDQEU92 | 1923 | 973212 | 1 - 743 | 15 - 757 | AI142131. |
| HDQFA01 | 1924 | 924539 | 1 - 1363 | 15 - 1377 | AW297731, AI885498, AA809854, AI831297, AA687107, AA809960, and AI523034. |
| HDQFC85 | 1925 | 783797 | 1 - 1331 | 15 - 1345 | |
| HDQFK04 | 1926 | 926758 | 1 - 673 | 15 - 687 | |
| HDQFU11 | 1927 | 966106 | 1 - 319 | 15 - 333 | |
| HDQFW03 | 1928 | 915968 | 1 - 542 | 15 - 556 | AA476647, U25898, and AC005182. |
| HDQGB04 | 1929 | 852577 | 1 - 500 | 15 - 514 | D79099. |
| HDQGC76 | 1930 | 950734 | 1 - 486 | 15 - 500 | AL119319, AL042551, AW392670, AL119457, U46346, Z99396, AL119363, AL119341, AL119497, AW372827, AL119443, AW363220, AW384394, AL119484, AL119391, U46351, AL119324, U46350, U46347, U46349, AL119355, AL119496, AL119444, AL119483, AL134518, U46341, AL119335, AL134538, AL042965, AL134902, AI142132, AL119439, AL119418, AL119399, AL037205, AL119401, AL119522, U46345, AL119396, AL042450, AL042614, AL134525, AL134536, AL042970, AL119320, AL134532, AL042975, AL042544, AL043029, AL043019, AL042984, AL042542, AL119464, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079. |
| HDQGG01 | 1931 | 974439 | 1 - 201 | 15 - 215 | |
| HDQGK63 | 1932 | 875920 | 1 - 633 | 15 - 647 | AC007395. |

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|----------|------|--------|---------|----------|---|
| HDQK93 | 1933 | 791744 | 1 - 429 | 15 - 443 | R64617, H86221, AA541532, AA630122, AA312303, AA659360, T47389, AA070927, AL037777, AW188742, AA601237, H84412, AI873759, AA302661, AA019003, AA669711, F35097, AA654874, T71936, AI160786, R72363, AL139054, AC002312, AC005231, AC000379, Z83844, AL031666, AC009509, AC004103, AL022323, AB003151, AC005695, AL022326, AL021977, AC007199, AL109657, AC005071, AC000353, AC005519, AC006241, AC006449, AC004878, AP000500, AC004134, AC004922, AC004821, AF042089, AC006023, U91321, AC004081, AL034417, AP000688, AF205588, Z93023, AL109952, AL035420, AL117337, AL035400, AP000509, AC006251, AL133163, AL024498, AL034549, AC004814, AC005815, AC004386, AC004491, AC002039, AL008718, AC007551, AL022165, AC005763, AL049780, AC004955, AC002128, AL078581, AF001549, AC004257, AC005081, AC005207, AL022316, AP000210, AP000132, AC004659, AC002418, AC006538, AC005620, AL135744, AL122023, I34294, AC007011, AL050317, AC005058, U85195, AC004910, AC005046, AC004851, AC005089, AL049576, AP000248, AC006006, AC004217, AC004139, AC002395, AC006014, AC005088, AL022327, AL033527, U07000, AE000658, AF196969, Z85987, AC005531, AC003043, AC005225, AL096701, AB015355, Z97054, AL031311, AF111168, AL109628, AC009501, AF001550, AC002126, AC007919, AC005944, AC002369, AC003029, AC002115, Z95116, AL079340, AC004865, AC006047, AC005015, AC005932, AF111169, AC005488, AC003966, Z98051, AC004067, AC005399, AL049694, AL031662, AC005332, AL109865, AC000075, AL109758, Z95114, AC007381, AC007899, AL035684, AL035072, AC006547, AL096791, AD001527, AC004770, AC002073, AC006312, AC004583, AC004996, Z86090, AL031595, AL080243, AC004099, AC003080, AL049776, AC006211, AL049795, AL133246, AC002375, AC007151, AB023049, AC006468, AL050318, AC004815, AC002310, AC002425, AP000345, Z68872, AL022318, AC005049, AC006011, AL035455, AC003042, AC010077, AC004805, AC007308, AL021528, AC007421, AC012039, AC005383, AP000512, AL022336, AC005484, AC006450, AL078593, AC002476, AL022337, AL031291, AC006048, AL109827, AL031432, AL034429, AJ003147, AJ251973, U91326, AL020995, AC004560, AL121655, AC000120, AC005800, AC005387, AL022237, AC010206, D84394, AC005295, AC005913, AC005632, AC006536, AP000555, AC002072, AC005856, AC002301, AC006948, AL133245, AC009247, AC005261, AL031281, AC002036, AC006077, AC006254, AC007993, AC004694, AF030453, AC004884, and AP000689. |
| HDQGGQ11 | 1934 | 966100 | 1 - 624 | 15 - 638 | |
| HDQGR80 | 1935 | 880654 | 1 - 509 | 15 - 523 | AA809589, and AA532423. AA847392, H45758, AA021644, and AA010967. |
| HDQGT70 | 1936 | 909848 | 1 - 436 | 15 - 450 | |
| HDQHF10 | 1937 | 963485 | 1 - 395 | 15 - 409 | |
| HDQHK04 | 1938 | 926988 | 1 - 949 | 15 - 963 | |
| HDQHM43 | 1939 | 852556 | 1 - 559 | 15 - 573 | |
| HDQHO04 | 1940 | 926976 | 1 - 212 | 15 - 226 | |

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|---------|------|--------|---------|----------|---|
| HDQHO07 | 1941 | 852555 | 1 - 421 | 15 - 435 | AC005390. |
| HDQHP44 | 1942 | 811790 | 1 - 502 | 15 - 516 | AA428432, AF033033, AC008372, and Z81364. |
| HDQHQ83 | 1943 | 973129 | 1 - 493 | 15 - 507 | AL044340, AA577824, AW022897, AA601125, W23726, AA161492, AI250561, AW166697, AI345007, AI345797, AA593465, AA226084, AW023662, AA577906, AA484749, AI133448, U47924, AC006965, AL117352, AL024507, AC005527, AC004584, AC004491, AL109627, AC005049, AC005529, AC006211, AP000356, AC004167, Z85986, AC007242, AJ246003, AC004895, AC005952, AC002565, AC005089, AC006536, AC004656, AC005335, AC006251, AP001054, AL121658, AP000557, AC006538, AL049776, Y18000, AL022237, AC007055, AF030453, AP000556, AP000354, AC002369, AC005495, AF053356, AC004097, AC003109, AL133163, AC005220, AC005747, AC006312, AC007308, AC006012, AF001552, AC004000, AC005391, AC003664, AC002301, AC005015, AC004841, AC007226, AC003983, AL031311, AC002430, AR036572, U91328, AL031291, L44140, AP000008, AP000511, AC004963, AL035420, AC007384, Z93023, AP000704, AC004079, AC006449, AC006238, AC002551, AF111169, AC004149, AC004408, AL021154, AL020997, AC006509, AC009542, AL049709, AC006088, AL035460, AC005500, AC005940, AC005332, AC004967, AC004217, Z98304, AC003098, AC007201, AC005088, AC004522, AC006050, AB017602, AC004671, AC004882, AC006270, U91326, AP000114, AC005726, AC002464, AC006946, AL031276, AL079303, AC005548, AL049636, AC002544, AC005225, AC002094, AC005180, AL008718, AC006130, AP000269, AC005920, AC005102, AC007324, AL109984, AC006241, AC005067, Z95114, AP001052, AC005277, AC003665, AL133485, Z84487, AL031432, AC005841, AF217403, AC004084, AC006057, AL035072, AC006480, AC005081, U80017, AC002472, AC002425, AP000103, AC004520, AC005581, AC007225, Z97055, AC007686, AC007664, AP000032, AC003071, AC007878, AC004983, AC005822, AC000353, AC004834, AC010205, AL050325, AC004020, Z84466, AC004143, AC005409, and AL031281. |
| HDQHT10 | 1944 | 963481 | 1 - 481 | 15 - 495 | W31096, and AC005783. |
| HDQHZ10 | 1945 | 961336 | 1 - 474 | 15 - 488 | AA179094. |
| HDQHZ22 | 1946 | 879416 | 1 - 396 | 15 - 410 | |
| HDQIH19 | 1947 | 974391 | 1 - 504 | 15 - 518 | AA557945, F16848, AA984829, H68343, AA507623, AA659832, AA368329, H15241, AA434078, AA569206, AA558404, T47138, F34151, H54252, H53284, AI249519, AA664963, AA610255, AA557790, AA778580, AI732911, W45215, AW265279, F34157, AA470490, AI567391, AA662614, AA368012, AL134332, F31867, AA845333, AA776225, AI671077, AA831919, AA371410, AL045423, T03928, N23504, AI345497, AI049630, AW237905, F24745, H86399, AI114494, AI860423, H43183, AI198718, AI190648, AA078483, D51877, AA846923, AW381821, H52397, H85808, AA846482, AW236277, AI619933, AI828721, AA778962, AA102737, AI800343, AI859744, AA911515, AI065031, AI337612, AA366601, AA225627, AW419389, AW265614, AA610433, AW265276, H58393, AW381823, AI284543, AI054090, AL079734, AA468458, AI929298, AI358928, AA568314, AI929825, AA706202, AA084032, |

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|---------|------|--------|----------|---|
| | | | | AA715075, AA584810, AA633875, AW238321, AA644090, AL117258, AL049697, AC002312, AL031133, AC012085, AC007030, AC005914, AC002476, AC005081, AC005015, AF107885, AC003973, AC008372, AC005519, AC004079, AC002492, AL031123, AC006360, Z85996, AP000140, Z68276, AC004841, AL049776, AP000350, AC004383, U95739, AC005697, AC005412, AL121652, AC005736, AC006511, AP000088, AC004882, AC005323, AL109628, AL049844, AP000270, AB007869, Z99716, AC005086, AF064019, AP000563, AL008712, AF053356, AL033525, AF196779, AC007450, Z82206, AC004702, U95743, AL031311, AP000133, AP000211, AC006071, AC005082, AL050348, AL009181, Z86090, AC005539, AL133500, AC007216, AC006959, AC004020, AL031295, Z98044, AC005332, AC002107, AP000089, AP000141, AC004132, U47924, AL021546, AC004007, AC004953, AC005193, AC006011, AC005520, AC006509, AC004967, AL021391, AC005243, AL031666, AL049778, AC002483, AC006571, AP000032, AC002477, AC009399, AC006449, AF196969, AC006130, AC004253, AC006115, AC005544, Z80232, AC005529, AC004890, AC005566, AC004655, AC004686, AC005157, AC009516, AL121655, AC006064, AC004834, AL133448, Z84467, AL022476, Z98885, AC007637, AL049829, AL034555, AC005531, AP000303, AC000159, AC007151, AL031282, AC007993, AL035410, AC005189, AB022785, AC004938, AP000036, AP000514, AL031291, Z98036, AC005971, AL135744, AL021154, AC004883, AC005913, AL133246, AC002310, AC007199, AL035420, AC005207, AP001052, Z98742, AC005363, AC004985, AC006238, AC002400, AL031432, AL008629, AC006960, AL021977, AC005803, Z82182, AC005067, AP000547, AL109952, AC005682, AL049780, AC007298, AC005696, AC009542, AC002546, AC004033, D87675, AP000553, AL132992, AC005527, AF045555, AC005479, AC010170, Z75407, AL031284, AL031846, AC005952, AL031186, AF043945, AC004142, AP000509, AC004765, AL031728, AC004104, AC002398, AL008635, AP000047, AC002073, AF109907, AL022336, U95741, AC005562, AL049779, AL133371, AC004966, AC005274, AC002094, AL008630, AL031447, AC004185, AL109758, AC004531, AC006121, AC007182, AC005785, AC005753, AL049869, Z99128, AC007056, AC003688, Z83823, L78810, AP000046, AP000114, AC002563, AL008731, AL121825, AC006057, AL109963, AC004554, AC000025, AC005318, AC005878, AL050307, AC006222, AL024509, U91321, AC005480, AJ010770, Z97056, Z98752, AL049757, AC004491, AL023553, AC004851, U50871, AL246003, Z97183, AP000704, AP000130, AP000208, AP000503, AL121748, AC008044, AC002195, S42653, I34294, AC006044, AC005551, AC006088, AP000115, AC007371, AL035458, AC005829, AL109798, and AP000247. |
| | | | 15 - 536 | AI569060. |
| | | | 15 - 592 | AA250925, AI610805, AW022188, AI276031, AW204488, AA978318, AA769333, AW340955, AI683013, AA135812, AA767902, H88636, AI273005, AA358212, AA405245, AA242773, AW078958, AI273047, AA493696, AI250660, AW026945, and AL134115. |
| | | | 15 - 274 | |
| HDQJ11 | 1948 | 966021 | 1 - 522 | |
| HDQMA71 | 1949 | 926528 | 1 - 578 | |
| HDQMD13 | 1950 | 924108 | 1 - 260 | |

| HDQMD14 | 1951 | 783547 | I - 328 | I5 - 342 |
|---------|------|--------|---------|---|
| HDQPI83 | 1952 | 780731 | I - 687 | I5 - 701 |
| | | | | AI284640, AW301350, AW303196, AW274349, AI754955, AA581903, AI110770, AI334443, AI133164, AI345518, AI708009, AW072923, AI801591, AI138265, AI281881, AW276827, AL042420, AI085719, AA483771, AI624142, AI610159, AW265009, AI679132, F36273, AI120687, AI471481, AW270270, AA164251, AI064864, AA491814, AI119691, AI379719, AW406447, AI375542, AL046898, AI821714, AI792133, AI791913, AA649642, AL038474, AA525190, AA908687, AF150152, AI821785, AI053672, AA584201, AA553468, AI801482, AI340453, AI355206, AI537955, W79504, AW439558, AI110760, AW148792, AI590958, AI623898, AI148277, AA126051, AA126035, AI431240, AA493708, AW338086, AA521323, AI733856, AL048925, AI590689, AW088616, AI871722, AI370878, AW162489, AI471572, AI632991, AA521399, AI344844, AA806796, AL037554, AI674873, AA601253, F32808, Z98884, AL121757, AC004941, AL122020, Z99943, AC007546, AC002429, AC002994, AP000568, AL035458, AC006254, AC002524, AL035089, AC006084, AC005244, AC007022, Z84470, AL133500, AC004386, AC004385, AL035427, AL032821, AC003071, AC005971, AF190465, AC007537, Z93928, AL049552, AC003962, AC005066, AC004993, AC003015, AC007068, AL109865, AL049792, AL135783, AC005670, AC002377, AF029308, AC008079, AP000352, AC004806, AC007676, AL031885, AL035563, AL121655, AC005011, AL035460, AL031588, AC007066, AC002302, AC002430, AR036572, U91328, AC007156, AC007384, AP000049, AC004990, Z76735, AL049776, AP000311, Z98172, AC007363, AL096867, AC004895, AC007630, AC002115, AC011604, AC002128, AC000353, AC002531, AC004491, AC002418, AL049867, AC006430, AC005618, AL033397, AL133448, AJ011930, AC006079, AC004822, AF118808, AC000114, AC005385, AF109907, AC004916, AC006037, AC006226, Z97054, AC004087, AC002402, AP000552, AC006511, AC005261, U91323, AL109628, AP000555, AC005037, AP000432, AC004838, U85195, AL023494, AL132994, AE000658, AC004998, AC004912, AL049557, AC006128, AL109967, AJ003147, AL121591, AC002470, AC005837, AC006539, AL049795, AC007488, AC006210, AL121603, AC006479, AC004987, AC004858, AC007686, AC002404, AL023882, AL035249, AC005062, AL121653, AC006509, AF064866, AC005234, AC004755, AP000500, AL049712, AC002996, AC008039, AC004626, AF001549, AP000354, AC007099, AL031281, AC002385, AC007228, AL034384, AC004884, AC005189, Z98200, AC007216, AL031311, AF134726, AC005921, AC006525, AC009069, Z92545, X75335, AC005393, Z97053, AC004933, AC006251, AC003664, AL121694, AL096712, AC010206, AF077058, AF123462, AC006211, AL035494, AL139054, AC004534, AL096791, AP000557, AC006561, AL121823, AC004765, Z99129, AC005242, AL021069, Z86061, AC005839, AC007298, AC005993, AC005808, AC002091, AL021453, AC004972, AC005358, AL033525, L44140, AC005944, AF003627, AC002394, AC006213, AC003982, AC000085, AL031670, AC006989, AL121748, AC006537, AL121580, AL031668, AC004650, AL022311, AL132992, AC005610 and AC005696 |

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|---------|------|--------|---------|----------|---|
| HDRAB68 | 1953 | 752316 | 1 - 196 | 15 - 210 | |
| HDTAG28 | 1954 | 765834 | 1 - 159 | 15 - 173 | |
| HDTAQ55 | 1955 | 728772 | 1 - 353 | 15 - 367 | AA380977 |
| HDTAY23 | 1956 | 973925 | 1 - 352 | 15 - 366 | AA504311, W45240, AA431996, F13467, F13502, and H10924 |
| HDTBF27 | 1957 | 683389 | 1 - 759 | 15 - 773 | AA234529, AI565424, AI624101, AI694224, and AC005021 |
| HDTBL45 | 1958 | 785534 | 1 - 431 | 15 - 445 | |
| HDTBO48 | 1959 | 945083 | 1 - 505 | 15 - 519 | |
| HDTBO74 | 1960 | 765555 | 1 - 453 | 15 - 467 | AA480145, AA837058, AA663306, F19258, AA713815, AA491814, AA365347, AA551509, AI205126, AA228329, AA826032, AI003172, F26719, AI886176, AI921188, AA515435, AI003743, T16592, AA095511, AI054246, AW088058, AI820743, AI565245, AW088202, AI282907, W60516, AW080134, AW406447, AI281903, AA340003, AA652764, AI053816, AI904894, AI567674, F29989, AA482711, AW301818, AA361344, AI282832, AA593060, AL041368, AI358229, AA318652, AI307426, AA077935, AW406755, AW104748, AI365988, AI474713, AW339687, AF177861, AA365144, AL138265, AW361583, AI635272, AA856981, N43757, AI963095, AI791503, AI732546, AA077817, AW071063, AI214510, AI802526, AA450199, F31204, AW074398, AI791290, AW022046, AI921649, H64777, AI679782, F35659, AI989742, AI376100, AI561335, AA292574, AA557325, AA501722, AW074059, AA252763, AI356904, AI922654, T12272, AA515128, AI564284, R72392, AA428414, AA743956, AI570138, AI536555, AI929531, AA077776, AA434484, AI284640, AI537955, AI446601, AW162049, AI251002, AA729264, AI962050, AA228420, AA515051, AA581342, AI890923, AA229785, AA658235, AW029038, AA932099, AI610159, F36273, N25303, AI917271, AA584749, AA653057, AI471481, AW166815, AA745410, AA919037, AA243452, AA218645, AW074207, AI610920, AI499134, AA580662, AL138455, AI139968, AI051551, AI286356, AI188469, AI110770, F37286, AA826004, AI053672, AI345675, AI339850, AI345681, AI357551, R41717, T06556, AI334443, AI865364, AW008317, AA342958, AI471729, AL048925, AL120674, AI049634, AW193265, AI816537, AI003611, W25284, AA654627, AI951863, AA364567, AA843450, AW401783, AA501784, AI079667, AW302101, AA077952, AA829106, AI248679, F32395, AL119391, AI742771, AW276435, AI547286, AA443065, N71724, AI285615, AA652057, AA441788, AA649642, AI149915, AA501344, AI286264, F25203, AW438916, AW340844, AI469172, AA650244, AI493615, AW419262, AL048616, AI312149, AW440836, AW105538, AA634855, AA774923, AI049722, AA602069, AL046898, N71596, AI912322, AI299050, AL079804, AA558227, AA886584, AW302309, AW276827, AI807372, T71998, AI268812, AI136636, AW265294, AI926124, AA904218, AW339568, AI431966, AA559290, AI433187, N27353, AA125788, AI469878, AL040913, AI803348, T40338, AW274101, AI421213, AA648110, AA366035, AI951889, AI951928, AA757474, AA192740, C06327, AI368745, AA178953, AL043756, AA503258, AI368256, AA320977, AL038785, F18974, AI133164, AC002426, AL034548, AL109756, AL021578, AC004903, AL009181, AC005089, AC006312, |

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| | | | | | AC006153, AC001234, AC004027, AC004254, AC002476, AL031121, AL035458, AC006333, AC002982, AC004088, AP000692, Z86061, AF015168, AL031734, AC005099, AC003119, AC006984, AC002542, AC005331, AC004460, AC004020, AL136295, AC005999, AC006222, AC012627, AF060568, AC005911, AL117258, AL049829, AC004236, AC004522, AL050338, AC007845, AL121603, AC006285, AC005084, AC016025, AL049776, AL0222323, AL034419, AC002504, AL109764, Z74739, AC004458, AP000474, AC005064, AL109799, AC002072, AL031577, Z65382, AC003029, AC004041, AC000083, AC002117, AP000017, AP000158, AC006539, AL109622, AC000097, AC006547, AC005040, U47924, U91324, AC007059, AC004520, AC003088, AC004491, U95739, AL031432, AC006128, AC008055, AC004167, Z82216, AC005324, AL035072, AC006561, AP001037, AL049691, Z84480, AC003009, AC005389, AL080286, AP000954, AL121915, Z71187, AC006352, AC007239, Z97053, AC006992, AC004617, AC002056, AL110502, AC002432, AL033381, AL096701, AP000355, AL121578, U14702, AC006241, AF015163, AC007191, AC003101, AC006208, AC004916, AL031584, AF029308, AL049554, AC005004, AC001530, AF140763, AF015170, AL031709, AC005755, AC005866, AC005186, AL031770, AC005194, AC006552, AC007358, AC006384, M87918, X67277, AR042836, AC007285, AC005751, AC005838, AL031279, AC004785, Z84485, U78027, AC002462, AC003104, AL035422, AC005666, AC007227, AC016026, AL021937, Z92542, AC007056, S75201, AC002553, AL096734, AL078604, AC004186, AC003960, AF045448, AL049758, AF121781, AC008103, AC002558, AC004230, Z82203, AL049589, AL008634, AC022517, AC007325, AJ003147, AC006972, Z83819, AF053356, U14703, AC004534, AC006207, AC006840, AC005280, AL109802, AF201337, U80017, AP001172, AC004526, AC004960, AC005778, AC005066, AC004675, AF067122, AL033525, AC007151, AP000306, AP000047, AL031905, AC003085, AF131217, AC008062, U62317, AC006195, AC004381, AC004827, AP000115, Z99129, AL078593, AJ000170, U91322, AF137396, AC000075, Z98046, AC006323, Z97635, AL034373, AL031735, AC005664, AL022394, AC007671, AC005225, AC007370, AL035665, AL049696, AF117829, AC006538, AC004931, AC007193, AF088219, AL020996, AL109654, AC008015, AC005746, AC007320, AL133245, U12583, AF147277, AF023460, Z68328, Z97196, AL035468, AC007242, AL049760, AL031280, AL035258, AC007254, AP000432, AC006975, AL035469, AC009044, AL023513, AC004886, AC006952, AP000154, L13713, AC004638, AC002375, L13714, and AC002523. |
| HDTBO94 | 1961 | 869818 | 1 - 562 | 15 - 576 | N69991, W47065, AW368643, AW340968, W00799, W04207, AI420674, AW027417, AA779727, AA736509, AW263261, AI090172, AA814921, AI924139, AA375842, AA375767, AA494558, AI422731, W46965, AA969233, AI142954, AI161089, AI167233, AA737756, AI681576, AA449149, AL049415, A61271, and A61272. |
| HDTBQ20 | 1962 | 886757 | 1 - 458 | 15 - 472 | AA625147, AL044429, N95514, AI521188, M78692, AA083339, AA623350, AA916868, R46588, and AA935301. |
| HDTBQ34 | 1963 | 703446 | 1 - 453 | 15 - 467 | |

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| HDTBQ47 | 1964 | 720298 | 1 - 369 | 15 - 383 | AI933595. |
| HDTBQ56 | 1965 | 799840 | 1 - 1310 | 15 - 1324 | AI384076, N21097, AI167276, AI275519, AA495978, AW103498, AA235681, AI224882, AI565119, N31109, AI797229, AW130630, AA425033, AA490486, AI635704, AA463747, AA766927, AA631521, AA829333, AA490708, AW188888, H11440, AI873833, and AA236876. |
| HDTBQ80 | 1966 | 775420 | 1 - 356 | 15 - 370 | AA860394, AI659377, AI440260, AI479292, AA514684, AI499986, AI500523, AI539800, AI340519, AW082532, AL047344, AA641818, AI648699, AI915295, AI345415, AW148536, AL040011, AI625926, AI446511, AI287233, AI445256, AI952493, AL042515, AW198133, AI500061, AW151652, AI571442, AI470717, AI611738, AW055252, AI890907, AI686690, AW023871, AI453248, AI860027, AI872423, AI378123, AI678446, AI288305, AI571699, AW130930, R81679, AI500714, AI128239, AI874261, AW089844, AL038715, AI696603, AI095003, AA765198, AI559619, AI683395, AI824361, AW081866, AI630928, AI540354, AI624938, AI309306, AI633125, AI434969, AI783785, AI271796, AI417790, AI859991, AI799313, AI686365, AI620864, AI538885, AW129264, AA604875, AI568293, AI433994, AI539723, AI638644, AW020381, AA503384, AI572096, AI539690, AI061405, AI345688, AI635634, F35031, AL041150, AI863382, AI923989, AI690813, AI524179, AI554301, AI917428, AI623736, AI432040, AI699020, AI440238, AW151136, AW022636, AI866465, AI570861, AI589428, AW021189, AA575922, AI620056, AW163554, AI680221, N22276, AI565172, AI862043, AI950729, AI631216, AI174799, AA731184, AW075382, AI658566, AI348854, AI499335, AI623396, AI683173, AI866458, AI241741, AI648454, AW166937, AI590043, F34241, AI554283, AW083750, AW105613, AW193620, AW262491, AI439452, AI613314, AI499104, AI702019, AI537273, AI801325, AI873644, AW058341, AW151831, AI744243, AI340559, AI818562, AI312963, AI361701, AI865906, AW104641, AW088145, AI291214, AI539080, AI917331, AI582871, AI436458, AI499581, AI274655, AL036548, AW167146, AI648494, AI621341, AI524654, AA808175, AI656270, AI679550, AI671429, AI698391, AI538564, AI818240, AL121564, AI915291, AW152182, AI538575, AI801064, AI582932, AI560545, AI619820, AI735654, AW021662, AW195253, AI434731, AI8227058, AL120987, AI348901, AI539667, AI889189, AI811192, AI521560, AI521005, AI872545, AI479577, AI079226, AI538764, AI473536, AI927233, AI539260, AI095192, AW151893, AA693444, AW196720, AI866469, AW161156, AI422855, AA502794, AI559752, AI884318, AI355779, AW238688, AI114703, AI370623, AI570056, AI815233, AI632036, AI537408, AW021717, AI566399, AI917252, W74529, AI918809, AI336586, AW080700, AI583484, AI797578, AW268306, AA579618, AW051453, AI701097, AI636507, AW090001, AI345612, AL043326, AI263331, AI472487, AF076464, AF139986, AL117575, AL117416, AL133665, I48978, I08319, AL137530, U62966, AF013214, AF162782, Z37987, AC007043, AL050024, S68736, AL032822, L31396, L31397, AL109672, A08916, Y13350, AL133075, X66366, X00474, S61953, L04849, AL080110, AF176651, E01614, E13364, A08910, AR050959, A08909, AF106862, AR038854, Y10655, D44497, AL049382, AF111851, AF118092, AF185614, AF182215, I89947, AF113694, AL117429, |

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| | | | | | X63162, AL049452, AF090934, A08907, AL122049, A08908, X78627, AL050143, A08912, A08911, L04852, S36676, AL137271, AF124728, E06743, X99226, AF143957, AF016271, AF146568, AL050092, AL137550, S76508, AF100931, I48979, A08913, AL122093, AF124435, AF111849, AL023657, X83508, AL110199, A57389, A65340, AL137461, U58996, AL137284, AL117649, AF090903, Y14314, S82852, AL133112, D83032, AR022283, AF000167, AF067790, AF017437, A41579, A65336, AL117587, X89102, AL137281, AL137711, I26207, AL050155, AF116573, Z97214, S78214, AL137300, AL035458, S54890, AF111112, A08456, Y16258, Y16257, E02756, Y16256, A65341, AL080146, E03671, AB007812, AF017152, AF090900, AF184965, AF177401, AL137547, A1010277, AL137488, AF030513, AL080129, AL133565, A21101, AL080118, A15345, E15582, X66862, I28326, AF112208, A03736, AL122121, I03321, AF132676, AF061836, I46765, AF076633, AF106697, AL110196, AL049464, A1012755, AP000028, Z82022, X55446, AL117435, AR068466, AL049347, I89931, AF017790, E07108, S83440, AL136842, AL117440, X01775, AL049466, AF054831, U75604, S77771, I49625, S83456, AF113690, A18777, AF113677, A86558, AF047716, AL137256, E12579, E12580, AL133010, X65873, AF102578, AF081197, AF081195, I00734, E12747, AR029580, I79595, AF002985, AL117648, AL122110, AR020905, AL136884, A31057, AF175903, AL049339, AL133080, A77033, A77035, I33392, AL133640, AF141289, AL050277, AF183393, AL096744, AL110221, Y09972, E00617, E00717, E00778, AF139373, AF008439, Z35309, AL133623, A12522, I89934, E05822, AL049324, U02475, AF118090, E02349, M30514, AL050172, Z13966, AL137529, AF061795, AF151685, U73682, U49434, AF185576, AL080148, AL080126, AR034821, AF085809, Y00093, AL137476, AR053103, AL133558, AL133560, AL080124, AL133559, U54559, AL137258, and AJ238278. |
| HDTBR15 | 1967 | 660236 | 1 - 449 | 15 - 463 | A1753313, AF004877, and AC002528. |
| HDTBR50 | 1968 | 846630 | 1 - 453 | 15 - 467 | |
| HDTBV02 | 1969 | 920008 | 1 - 461 | 15 - 475 | |
| HDTBV18 | 1970 | 893761 | 1 - 367 | 15 - 381 | D25267, AA635901, AC005399, AC007227, AC004685, AL022316, AL080243, AC005324, AF064858, AC005305, AL021937, AF003626, AL049694, AC005330, U80017, AC005031, AC005874, AF134471, AC005920, AC004883, U07563, AC004938, Z98946, AL033527, AC007052, AL049631, AL022345, AC007263, AC004491, AC005571, AC005756, AC005726, AC006013, AL031597, AL033517, AC005409, AC003663, AC004253, AL049776, AC006014, AP000466, and AL049871. |
| HDTBW52 | 1971 | 726060 | 1 - 507 | 15 - 521 | |
| HDTBX47 | 1972 | 719530 | 1 - 424 | 15 - 438 | AC004056. |
| HDTBY88 | 1973 | 934472 | 1 - 495 | 15 - 509 | AA868305, A1700890, AA789239, A1803004, A1694352, AA043382, F08474, R21498, AF112183, AF112184, and AC005354. |
| HDTCC60 | 1974 | 740350 | 1 - 390 | 15 - 404 | AA864722, AA319763, AA248838, AA193325, AW367238, A1688661, A1921062, AW024122, and AW130404. |

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| HDTDA45 | 1975 | 799875 | 1 - 697 | 15 - 711 | T97833, T97457, and R09338. |
| HDTDC23 | 1976 | 675331 | 1 - 511 | 15 - 525 | AI471572, AA502155, AA130647, AW402145, AA590063, AI192863, AL035587, AC005164, AC005562, AB003151, AL050332, Z83840, AC005261, AC004185, AP000509, D84394, AC002477, AC007917, AF111163, AL035653, AC005089, AC005829, AC005529, AC000114, AC005512, AP000496, AC005399, AC006948, AC004076, AP000150, Z47046, AF031078, AF030876, AC004263, AP000009, Z98884, AC005498, Z98885, AF196970, AC006251, AC007228, AC005940, Z68162, AC004882, AL031650, AC004796, AL009181, AL049867, AC005520, AC007630, AL022069, AL031000, AL121655, AL117258, AL049829, AL024498, AC006137, AC003690, AP000215, AC007308, AC002470, AC006539, AC006057, AF207550, AL034429, Z82198, AC005822, AC003035, AC006538, AL008582, AL022318, AL031595, and AC006241. |
| HDTDC53 | 1977 | 916348 | 1 - 220 | 15 - 234 | AI205597, AI018716, AA952883, T66939, W86678, AA122311, AI208307, AA843726, AI090688, AW243845, AA618005, R15455, C00676, AI476338, AA371098, AL119399, AL042382, AL079794, AL043152, AL119511, AI288285, AL119457, AI621341, AL043168, AL042544, AL041150, AI540674, AW029401, AL037582, AW168485, AL037602, AI095003, AL038529, AL037454, AI698391, T95813, AW023846, AL036705, AI950664, AW083573, AI818358, AI638644, AL042191, AI963846, AA857847, AI679214, AA908294, AW264727, AI537677, AI538055, AW152182, AI915295, AI868740, AI589428, AW103628, AI866465, AI587000, AW051088, AI758512, AI564290, AI267162, AL079740, AI500061, AI434731, AW022636, N29277, AI553645, AI783792, AI590043, AW020397, AI571551, AI557238, AI678773, AI499570, AI872343, AL119324, AW162194, AL036249, AI802542, AI241901, AL119863, AW082088, AI147292, AW163834, AI683475, AI745329, AI609760, AI859991, AW021373, AI094749, AI345415, AI623941, AL046473, AI289791, AI567971, AI446704, AI280732, AI250627, AI610446, AI559752, AI312210, AA829061, AI249877, AL046595, AI472566, AI561356, AI612913, AL043355, AI538850, AL039086, AW023338, AA805434, AI620810, AW089275, AI813633, AI568114, AI539800, AI309306, AW059713, AI267185, AI475371, AI355779, AI582932, AI682798, AI860673, AI524179, AL041996, AI280607, AI679211, AW161156, AI673363, AW020419, AI929108, AI583032, AI345688, AL040449, AI634919, AL045266, AI680270, AI342023, AI590686, AI536685, AI783997, AI471429, AI866780, AI401697, AI801325, AL046466, AI884318, AI796743, AI433968, AW128841, AI860652, AW104683, AI589004, AI679506, AI699823, AW024374, AA975952, AI367680, AA503384, AI288050, AW105431, AI354998, AW129616, AW008226, AI573060, AI242248, AI565172, AI610293, AI655932, AI953767, AI567846, AL135065, AW128834, AW132071, AI524654, AA831948, AI683173, AW008166, AW024275, AI110603, AI589134, AA766104, AI624529, AW050578, AW088899, AI469505, AL118781, AI635492, AI890391, AI923989, AI284517, AI368579, AI678599, AI932458, AI274507, AA479803, AI811840, AI864102, AI917963, AI538764, AW193872, AI824576, AW163554, AI538637, AI625701, AI366922, AI627604, |

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| | | | | AI251221, AW403717, AI371251, AI270295, AI478902, AI432644, AA580663, AW148536, AI422688, AW088560, AI921092, AW151136, AL040011, AW008353, AI288305, AI676003, AA641818, AI540458, AI468872, AL048323, AA808175, AI567582, AW132001, AI446373, AL048340, AI648458, AI281757, AL047675, AL119791, AI252077, AI889189, AI932794, AW021717, N71180, AW029186, AW129264, AW073907, AI343091, AI633061, AA768046, AI335363, Y11587, U77594, U35846, AI137480, AF132676, AF061836, AF030513, I48978, AL049347, AF047716, AF026816, I167328, AL133075, AL133113, Z97214, I89947, AL133637, AF097996, AL122098, AF017152, AF146568, AR034821, A65341, AL133049, S83440, AR068753, AB016226, AL137271, AF118092, AL137554, A93350, A08910, A08909, A65340, A08913, AF102578, S61953, A08908, AR020905, AL133067, AL137557, A77033, A77035, I33392, U95114, A08912, U37359, I09499, AF177401, AR038854, AL133072, E02221, S77771, AL023657, AL137550, AF106862, A18777, E12747, X63162, S76508, AB029065, A21103, AF126247, AF067728, U49434, AF104032, A08916, AF113689, E05822, X98834, I79595, AF002985, I18355, AL117587, AL050172, AL110296, AL133557, X92070, A08911, I34392, AL110218, A08907, AL122110, AL117463, AL110197, M96857, Z37987, AL122100, AL137533, S53987, AL080148, AJ005690, AR053103, AL137523, I48979, AJ238278, U87620, S69510, Y14314, Y07905, I89931, AL136884, AL080159, AF183393, AF111849, I89934, AL110225, AF061981, AF139986, X72889, I49625, AF106945, AF145233, AL049339, Y10823, AF087943, AL080140, I42402, Z82022, U55017, X67688, AB007812, M27260, AL137547, AJ010277, AL122093, AF008439, U49908, AL133560, L04504, E01314, AL137529, A45787, S68736, I32738, AF106657, M92439, AL133665, L04849, AL137526, AF113677, AJ000937, D89079, A76335, AR029490, AF195092, AF180525, AL137488, AL133112, AF182215, A23630, I00734, AI5345, X98066, AF067790, AF031903, AL137286, Y11254, AL122104, AL137530, AL080154, I26207, AJ242859, X84990, AL137574, E00617, E00717, E00778, AL137294, X72387, AL137521, AL122121, X83508, AC003032, U75932, AR013797, X82434, S36676, X79812, X87582, Y10936, AL049430, AL049460, AF107847, AL122106, AF017790, X55446, AL137711, AF185576, AL110224, D16301, X81464, AL117648, U54559, AL050277, Y13350, AF026124, AF205861, I03321, A18788, AC004227, Y10655, S75997, AF162270, X66862, AF215669, I33391, AL133640, AF111851, X52128, AL117460, I17544, AL137256, AL122118, AF090901, A03736, AL137292, I68732, AF113691, L13297, AF111112, D83989, AF113694, Y10080, AL110222, AF036941, AL137640, X83544, Z72491, AF210052, AL117583, AF031147, AL137459, X06146, E07108, AF090903, AL050116, AF058921, U00686, AF040751, AL110228, AB030279, AF057300, AJ012755, AF057299, AL137479, AC002467, AL050170, AL080124, and AF169154. |
| HD:TD49 | 1978 | 799872 | 1 - 448 | 15 - 462 |
| HD:TDG42 | 1979 | 713588 | 1 - 445 | 15 - 459 |

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| | | | | | | AL049836, AC005585, AC008372, AP000201, AL049776, AC007225, AL031283, AF207550, AC005578, AP000097, AL080242, Z83844, AC004703, AF001550, AC005837, AL009181, AC005781, AP000043, AP000111, AC005089, AC007283, and AF050154. |
| HDTG70 | 1980 | 587730 | 1 - 418 | 15 - 432 | | AL022396. |
| HDTDL88 | 1981 | 868565 | 1 - 707 | 15 - 721 | | AI140351, AI859347, AA768342, AI864674, N80197, AA722381, AA130959, AI051671, AA043186, AA121548, AA987515, AA100477, AW193146, W04309, N21020, H94056, AI187288, AA844332, N21328, N47889, AI952434, AA975893, AA045598, H80956, AI354682, AA621534, AI859814, AW089493, AA530873, AW275917, AI025466, N92869, AA768339, AA417265, AI567303, AA828283, AI289086, AA729835, AI564973, AA580315, AI952495, AI419448, T40562, AI289415, AI039892, AI014387, AA917482, AW088039, AA587755, AW190165, AI371694, AI018462, AW377665, AI083853, AW103201, AA868207, H81296, AI920875, AI833059, AI288157, D12288, R63140, AI942324, AI873582, AI699667, AI091426, AA127712, AW406948, D12293, AA074395, AA342276, AI955989, T91580, AI350331, AA053266, AW138496, AA342277, AI832968, AW084334, T91268, AI816957, D12294, AW351513, R83013, AI868829, AI220723, AI202414, AI908913, AA353671, T98269, AI908912, AA193223, AI866230, AA807562, C75247, AI144388, AW377656, W22908, AW381854, AW381856, AI864799, AI802279, T91628, N74141, AI310801, AA788629, AI815642, AA370966, AA417302, AA894373, AA314322, AL122042, and AC007842. |
| HDTDP37 | 1982 | 571417 | 1 - 513 | 15 - 527 | | |
| HDTDT33 | 1983 | 587773 | 1 - 541 | 15 - 555 | | T12034, and T12053. |
| HDTTE19 | 1984 | 912765 | 1 - 399 | 15 - 413 | | AI365424, AA761247, AI270301, AA903663, AA461365, AI124751, AI493506, AA946682, AI739428, AI990438, AI312115, AI927988, AI638765, AI830148, AI739606, AI561007, AI934691, AF165522, and X56389. |
| HDTTEJ30 | 1985 | 915445 | 1 - 475 | 15 - 489 | | AL035965, and AC006501. |
| HDTEN69 | 1986 | 650840 | 1 - 618 | 15 - 632 | | |
| HDTES50 | 1987 | 964709 | 1 - 423 | 15 - 437 | | AW340512, AI807894, AW082409, AW054749, and R94399. |
| HDTFC55 | 1988 | 731397 | 1 - 560 | 15 - 574 | | |
| HDTFD13 | 1989 | 835596 | 1 - 429 | 15 - 443 | | W92422, and AA013353. |
| HDTFE23 | 1990 | 675407 | 1 - 360 | 15 - 374 | | |
| HDTFI53 | 1991 | 738221 | 1 - 108 | 15 - 122 | | T86673, AW190189, and AI193121. |
| HDTFP51 | 1992 | 924898 | 1 - 491 | 15 - 505 | | |
| HDTFQ26 | 1993 | 681234 | 1 - 605 | 15 - 619 | | R80296, AW235653, AI949101, AA470449, AC002044, AC005234, X54171, AP000348, AC006230, AC007129, AC005274, and AC004230. |
| HDTGE59 | 1994 | 893721 | 1 - 213 | 15 - 227 | | |
| HDTGI15 | 1995 | 953336 | 1 - 641 | 15 - 655 | | AI765425. |
| HDTGI03 | 1996 | 923452 | 1 - 615 | 15 - 629 | | |

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| HDTG164 | 1997 | 799860 | 1 - 133 | 15 - 147 | | |
| HDTGK27 | 1998 | 682689 | 1 - 416 | 15 - 430 | AA489578. | |
| HDTGP34 | 1999 | 855739 | 1 - 562 | 15 - 576 | R69491. | |
| HDTGP03 | 2000 | 724545 | 1 - 227 | 15 - 241 | | |
| HDTGW21 | 2001 | 785047 | 1 - 369 | 15 - 383 | AB007857. | |
| HDTGW52 | 2002 | 726197 | 1 - 100 | 15 - 114 | | |
| HDTHA89 | 2003 | 838813 | 1 - 345 | 15 - 359 | AA745404, N23046, AI057391, AA001345, AC003101, AC004526, AL031670, AC009721, AL109748, AC004256, AC004090, AP000152, AP00010, AL021155, AL022330, AC005007, AL023584, AP000546, AC005969, AC003086, AC000379, AL023553, AC006543, AC007283, and AC006011. | |
| HDTHB41 | 2004 | 711849 | 1 - 475 | 15 - 489 | AR035806. | |
| HDTHE95 | 2005 | 795180 | 1 - 494 | 15 - 508 | AA847163. | |
| HDTHK91 | 2006 | 789790 | 1 - 616 | 15 - 630 | AC004611, AC005551, AL096701, Z97054, AC005529, AC003101, AC005527, AC005011, AF053356, AC004813, AC006965, AC004985, AC004167, AC002375, AC002565, AC005874, AF134471, AP000036, Z83844, AC003684, AC005622, AL132987, AC005837, AC005102, and AL049780. | |
| HDTHM43 | 2007 | 851854 | 1 - 483 | 15 - 497 | | |
| HDTHO45 | 2008 | 799861 | 1 - 163 | 15 - 177 | AW089395, AI053518, AI345012, AI358008, AA837739, AA664248, AA610530, AW238137, AA837796, AA993165, AW238250, AA084950, N70293, AA599749, AL047254, AA594220, T05354, AI124706, AW161966, AA001398, AI683742, AA666066, AW440424, AI223626, AA583579, AW130446, AA583568, AI568849, AI274006, AI921692, AI567831, AI445768, AA586553, D25667, AI889648, AI613487, AI336206, AA654038, AA658918, AA047045, AI572680, AI884861, AL118567, AA774119, AW021519, AA649660, F03603, AI375036, AI083707, AI246061, AA599080, AA832124, AA832152, AA470958, H86399, H47461, AI205348, AL134332, AA224525, AL036070, AI054090, AI761566, AI114645, AI872117, AI744381, AI249853, AI284543, AI254770, AI251944, AI251034, AI251203, AI251284, AI250552, AA304790, AA078088, AA295893, AA295899, H77666, AW149972, AA564682, AA593388, AI354341, AW327597, AA468289, AA911520, AI732682, AI869786, AI922583, AA347653, AA780648, AI521042, AW327555, AA167179, AI912505, AA078509, AA742775, H37892, AC002073, AL031284, AC004895, AC002347, AB020863, AL023880, AL049543, AL137474, AP000959, AC004522, AC007387, AC005274, AC004131, AC004859, AC005519, AF061032, AF003626, AP001052, AC005664, AC008134, Z98751, AC005924, AC004837, AC000997, AL031663, AC006547, AC002351, AC000025, AC005527, AC005529, AL034555, AC004150, AC000379, AC002049, AC002054, AL117328, AL021332, AC004701, AC002472, AP000550, AC007664, AC008018, AC005358, AL133216, AL080243, AL035457, AL049569, AC006211, AL020997, AC007227, AC000083, AL031287, AL031775, AL033517, AL021878, AC004686, AP000346, AC002312, AC007695, AC004778, AC005800, AL031848, AC006210. | |

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| | | | | | Z92542, AL050332, AC007637, AC005747, AP000355, U77080, U77078, AC008042, AL049829, AC004181, AC002299, AC005695, AL049591, AF104934, AC005017, AP000555, AL022318, Z85996, AC002091, AP000350, AC004149, Z97030, Z68323, AF117829, AC005005, AC003042, AL034379, AL034417, AC005375, AL079342, AC003693, AC006449, AJ006345, AC005562, AL117338, AC002331, AL009031, AC004448, AL109982, Z93020, AL132987, AC003108, AB026899, AC009263, AP000352, AC004953, AC005723, AL049779, AC005952, AC005086, AP000260, AP000099, AP001065, AL034369, Z83840, AP000036, AC022517, AC007226, AC004083, AC006115, AC007376, L44140, AF049895, AC005531, AL031667, AC005186, AC004106, AC005903, AP000068, AC005865, AC004955, AC005247, U91318, AC005189, AL049844, AC005480, AL109798, AC004381, AC006160, AC002991, U15422, AL121652, AD000812, AC003110, AC004017, AC007746, AC002126, Z99127, AL035416, Z98941, AC006120, AC005740, AL049781, AC002368, AC007240, AF001550, Z98742, AC002128, AC007676, AC007919, AL078639, AL031433, AC006088, AL121923, AL135744, AL031282, U47924, AL022238, AC002551, AL024494, AF051976, X77825, U77079, U77081, AC005049, AL050306, AL049697, AC007371, AL031685, AC007386, AC008582, AC005913, AL022302, AJ229041, AC005730, AC007684, AC001644, AL096703, AC006959, AL031588, AL031056, AC007444, AL121877, U96629, AC006312, AP000500, AC005694, AC007056, AP000353, AF071746, AC006950, and AC002404. |
| HDTHQ15 | 2009 | 923899 | 1 - 599 | 15 - 613 | AA215544, AA262119, D87446, and AF060565. |
| HDTHQ55 | 2010 | 799859 | 1 - 417 | 15 - 431 | |
| HDTHW16 | 2011 | 799839 | 1 - 623 | 15 - 637 | |
| HDTHZ46 | 2012 | 957669 | 1 - 362 | 15 - 376 | H59787, AA911636, AA631183, AI025526, AI923762, AI740793, AA743390, AI202128, AI660488, H82705, and AI368872. |
| HDTIB38 | 2013 | 971665 | 1 - 922 | 15 - 936 | AI872294, AW207586, AW195605, AI693146, AW075561, AW068887, AA993676, AI738241, AI799473, AI031659, AI419921, AA961774, AI355364, AI190742, AW451406, AA598664, AA603695, AW057857, AI807320, AI510700, N50786, AA737532, AA766363, R68978, AI124003, AI445187, AW102731, H04784, AI122873, R69607, AI253794, AA897328, AA598571, AI540516, D19777, AI267421, N55144, H04882, AA334830, and AL135745. |
| HDTIC48 | 2014 | 828038 | 1 - 406 | 15 - 420 | H82510. |
| HDTIC74 | 2015 | 838780 | 1 - 536 | 15 - 550 | AA084725, AA189117, AL048925, AI801482, AI284640, AL046409, AI963720, AL042753, AA127353, AI679782, AI270117, AW406755, H71429, AI334443, AW419262, AW072587, AI431303, AI570261, AI133164, AW276827, AI368745, AA490183, AW193265, AI613280, AW302013, AL119691, AI364020, F36273, AAG10491, AL043719, AW303196, AI281881, AI350211, AA523810, AW261871, AI858451, AI434695, AI358229, AA581903, AW301350, AI061143, AI567076, AI754336, AW327868, AI240168, AI143242, AI341664, AA984708, AW088846, AI538852, AA503473, AA649542, AA649484, AA491814, AI365988, AA578481, AL138265, AI471543, AA577906, AI061334, AW265393, AA680243, AW270270, AW274349, |

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| AA665021, A1732120, AL042853, AA521399, A175710, A1754658, AL138455, AW410400, AW265385, AW407578, AW270716, AA446657, AW341900, A1718446, A1571512, A1289067, AW148792, F16127, A1355206, N27584, AA846929, AW438643, AA455483, A1688846, A1379719, AA402129, A1053672, AW163293, AA177061, A1110770, AA584082, AA488746, AA613232, AA828042, AW301809, F29989, A1298710, AW023672, AA877817, AW193432, AA649722, AA587604, AA720702, A1669453, AA521323, A1345654, AA132914, A1962050, AA493219, A1619997, AA657918, A1192631, AA878409, AW300625, AL038474, AW406447, AA806796, A1471481, A1148277, A1801591, C05755, AW162489, A1635818, AA468022, A1017415, AA470969, AA084070, A1696962, AW169537, AA630362, AA526779, A1633025, A1151261, A1871722, A1246119, AL044940, A1119984, A1561255, AA515829, AA507824, A1955323, A1358501, AA525824, AA649642, C06339, A1307608, W79504, AA599920, AA126051, AA126035, AW021207, AA610493, AA846935, A1287485, H13757, AL041690, AW265009, H72402, AA126450, A1921296, AA491284, AA682912, A1859742, AW103758, AA973803, A1610159, A1623720, AL137954, A1653886, AA613345, AA846907, AA601876, AA721056, AW089322, AW238278, AA613227, AW276817, A1076766, AA857486, AA503119, AA586458, AA623002, A1344844, A1744995, AL046205, A1921061, AA601253, A1358812, AA587256, AA679514, AA837718, A1635274, AL120687, AW073470, AC007421, AF001549, AP000134, AP000212, AC008134, AP000251, AL049776, AP000030, AC008040, D87675, AL132777, AC006948, AC007385, AC005089, AC004605, AC004263, AL132718, AC006026, AC000387, U11309, Z49258, AC004890, AC004453, AC005037, X54175, AC006011, D83989, AL133245, AF015148, AF031078, AC008372, AC007191, AF030876, AC007216, U57009, AC005225, AF015156, AC005988, AC006116, AC002468, U18394, AC005846, Z83826, U95742, AC006111, AC004593, AL021808, AC006042, AL049539, AC005846, Z83826, U95742, AC004816, U80017, AC005372, AC004057, U18391, AC007455, AC005288, Z98051, AP000959, AC006479, AF152365, I51997, AC005335, Z82244, U67221, AL022163, AC003693, AL008715, Z99716, AL096701, AC007364, AC005015, AC005678, AL009172, U18396, AL034549, AL132712, AF131217, X54180, AF107885, AC006254, AP000568, AL078581, AF129756, AF017104, AP000126, AP000204, AC004966, U85195, AL031427, X54178, AL121603, AC008123, AC004491, X55926, AC005837, AC008045, AC005585, AL031347, AC007666, AC004859, AL035422, AL049761, AC004615, AP000142, AC006064, Z94055, AC006157, X54181, AP000557, AL031577, AC003691, AE000658, AL096703, AC007308, AL008627, AF015152, AF109907, AC010170, AL049760, AC006313, U57007, AC007617, AC005808, A1006345, AL022476, AL121934, AC007537, AC006997, AC007298, AF124523, AC005778, AL023575, AP001038, AF045555, AC005004, AC005180, AC007277, AC008039, AC005620, Z85999, AC004531, U18393, AC000118, AL121655, AP000244, U57005, AL049557, AC006965, AC006597, AC005215, AC007227, AC005324, AC005019, AL023656, AC006484, AC005632, AL049795, AC005829, AL035252, AC002377, AC005399, AC003956, AC007387, AF088219, | | | | |
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| | | | | | AC002544, AC005076, AC004253, AC005071, AC006441, AC005868, AF015160, AC005031, U18395, Z93016, AC006051, U91326, AC007226, AL132992, AC006040, AL132985, Z54073, AC004013, AC005104, AC004033, AL080243, AB019438, AC007731, AC003670, AC004626, AL109618, AC002432, AC008012, AL022316, AP000555, AC004948, AC004019, AC004014, AL050308, Z98745, AC005775, AC005342, AL035086, AP000211, AP000133, AL078644, AC018769, U18392, AC007878, AC005668, AC002395, AC006277, AC004040, Z98950, Z97196, AC005081, AC005527, AF015149, AL022147, AL031770, AC004502, AC005553, AF031076, Z82901, AC005666, AL021940, AC003015, AP000504, AP000090, AC005529, Z75741, AP000350, AC003986, AC005011, AC002429, AC006480, AC005242, AL121652, Z83855, AC003684, AC006501, X78901, AL049830, AL022328, AC002545, AC008079, X55925, AC006544, and AF077058 |
| HDT1D61 | 2016 | 908946 | 1 - 730 | 15 - 744 | AW439565, A1827530, A1887525, A1890158, A1859703, AW118200, AA749212, AA430563, AA883993, AA029288, A1095763, AA043743, H03766, A1598263, A1634574, A1079917, AW243702, AA452390, A1634584, AA132531, A1610785, N51151, AA602187, AA971019, A1926025, A1279436, A1220990, AA88601, AW131171, AA969116, A1818902, H02869, AA579993, AA621433, A1927025, AA369249, A1469540, AA021150, A1300047, H88995, N47896, R70915, AA043742, AA912768, A1926028, AA937998, AA029756, AA834867, A1183313, AA342184, A1873839, AA433979, AA167094, A1017196, AA866089, AA993239, AW371991, AA028917, A1926057, AA911119, H88778, AA283401, and AA283400 |
| HDT1E01 | 2017 | 883070 | 1 - 515 | 15 - 529 | AA938105, R98945, A1110760, AL119762, AL041013, A1114869, AW075511, AW102811, AA806796, AA070456, A1133516, A1061646, AA762726, AA524821, T74382, A1313166, AA219225, AA224525, AA601348, A1093030, AA083046, AA502104, AA531580, AA836811, AA081825, T40308, AW151713, AA601294, AW440545, AA846568, AL046586, AW274346, AW161966, AA765736, AL138254, AA774222, AW245747, AA468456, AA377927, AA774780, T56253, N70044, R70821, AW407632, A1471603, AA806799, A1499134, R80876, A1826263, AA614180, AA634889, H46122, D82542, AA664909, A1345654, A1708009, H40936, AA483929, AW103758, A1305766, A1284640, AW168453, AA121894, AL035659, AL121603, AC002470, AC004167, AL031846, AL035420, AC005412, AC007021, AC005280, AL096774, AC003043, AC006084, AC004738, AC003664, AL031255, AC000052, AL035400, AC007731, AL049780, AC005531, AL031767, AC007055, Z83819, AC004149, AC002301, AL080243, AC004150, AC005500, AP000553, AC002072, AC009516, AL034549, AC004263, AL139054, AC004019, AC006285, AC004675, AC004859, AL049758, AC005084, AL022721, AL035587, AC005411, AC005694, AP000966, AF088219, AC007216, AL022165, AC004895, AC003108, AC006042, AP000555, U80017, AC000026, U85195, AC006241, AL031447, AC004216, Z95118, AC009044, AL031577, AC005031, AC005670, AC000087, AC004797, AC004815, U72787, AC005911, AC007057, AL022316, AC005089, AC002476, AC005666, AC005003, AL022302, AL132712, AE000658, AC002059, AC004765, AC006146, AP000133, AP000211, L44140, AL117347, |

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| | | | | | AC020663, AL121652, AC002456, AC006530, AC005479, AF067844, AC003101, AC004099, AC005920, AF109907, Z81364, AL031680, AC005527, AL022238, AC005104, Z98051, AL049636, AF001549, AL009179, AC006441, AC004230, AC012384, AC004820, AL023575, AC002565, AC005081, AC003029, AL096712, AC003003, AC007226, AC007240, AC003690, AC002465, AC004990, AL121595, AL133371, AC002991, AL049759, AB023051, AC006211, AC005562, AC005075, AC005839, AC002310, AC007681, AL031685, AP000257, AC005150, U91322, AC007114, AF010238, U47924, AC005158, AL020995, AC005516, AF039907, U95742, AC005783, AC006026, AL133163, AC000025, AC007676, AL080317, Z99716, AC005037, AC005180, AC005913, AC005179, AC002067, AC005071, AC005620, AC008079, AC004890, AP000210, AP000132, AL049776, Z94721, AC006205, AC002368, AC006538, AC006450, AC004835, AC005529, AJ011930, AC004999, AC007537, AL023803, AC005353, AC004067, AP000512, AC003950, AL031584, AC004913, Z95114, AC007193, AL109865, Z83822, AF172277, AP000098, AC005360, AC007050, U95740, AL022476, AL132777, AC007842, AC004878, AL034420, AL008725, AP000116, AL121655, AC005015, AC006271, AC004098, AL031681, Z86090, AC004970, AF024533, AL008718, AC005154, AC006130, AC008372, AC006126, AC007243, AC004686, AC003086, AC006365, Z93017, AL022326, AC007160, AL031666, AC004690, AC007685, AL049766, AC005207, AJ246003, AC004525, AC004881, AL050318, AC006459, Z82244, AC002070, AC003065, Z93930, AC005902, AF121781, AC005829, AC005067, AP000354, AC007151, Z98200, AC002546, AC006449, AC006960, AC008417, AL031284, AL022163, AC005815, U52112, AL049709, AC004814, AC005776, AC004477, AL023494, AC005701, AL049539, and AP000502. |
| HDTIF90 | 2018 | 787413 | 1 - 490 | 15 - 504 | AL134148, AL119391, AP000356, AC004820, AR060471, AC005940, AC004253, AL035684, U29953, AP000212, AP000134, AC002287, AC005015, AC003043, AC005412, AC004672, AL117337, U91321, AC007425, AL035086, AF205588, AC004216, AC005179, AC004098, AC007676, AC005037, AP000349, AC016027, AC016830, AL133396, AP000252, and AL079306. |
| HDTIG34 | 2019 | 799851 | 1 - 417 | 15 - 431 | |
| HDTIH43 | 2020 | 935643 | 1 - 536 | 15 - 550 | |
| HDTIM13 | 2021 | 926952 | 1 - 439 | 15 - 453 | AA437170 |
| HDTIR88 | 2022 | 931122 | 1 - 680 | 15 - 694 | AI742572, AI819310, AI373601, AI458037, AI478168, AW243260, AW182412, AI628739, H96226, AA911198, AW237157, AA621899, AI963732, AA036662, AI699482, AA935821, and AI560638. |
| HDTIV22 | 2023 | 883109 | 1 - 398 | 15 - 412 | |
| HDTIV37 | 2024 | 799867 | 1 - 590 | 15 - 604 | AI110718, and AC006121. |
| HDTIV62 | 2025 | 799835 | 1 - 639 | 15 - 653 | AA290838. |
| HDTIW03 | 2026 | 922928 | 1 - 471 | 15 - 485 | AC003992. |
| HDTIX57 | 2027 | 799828 | 1 - 596 | 15 - 610 | AI660431, AA705801, and AF112299. |

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|---------|------|--------|---------|----------|---|
| HDTIY24 | 2028 | 799854 | 1 - 391 | 15 - 405 | AW392670, Z99396, AL119457, AL119484, AL134902, AL119391, AL119363, AW372827, AL119497, AL119443, AW363220, AW384394, AL142132, AL119319, AL119341, U46351, AL119324, U46346, U46350, U46347, U46349, AL119335, AL119355, AL119444, AL119496, AL119483, U46341, AL119439, AL119418, AL119399, AL037205, AL119522, AL119401, AL134518, U46345, AL119396, AL134538, AL042965, AL042450, AL042614, AL134525, AL134536, AL042970, AL042975, AL042984, AL042544, AL043029, AL043019, AL042542, AL042551, AL043003, AL119464, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079. |
| HDTIY26 | 2029 | 799855 | 1 - 409 | 15 - 423 | |
| HDTIY41 | 2030 | 799853 | 1 - 641 | 15 - 655 | AA281844, AL284640, AA862227, AL133164, AL281465, AL471481, AL291124, AL282832, AL291268, AL341548, AL046409, AL266133, F36273, AA340747, AL298710, AW157005, AL1341664, AL289067, AW193432, AL431303, AA491814, AL688846, AW439558, AA992126, AL1358343, AA133986, AA582554, AL028510, AW276827, AW193265, AL1536625, AW339568, AL061334, AL340453, AL761471, AW419262, AL350211, AW276435, AW166815, AA984187, AA284184, AL587565, AL963720, AA865262, AL754658, AL613280, AL041706, AW274072, AL610159, AL079910, AL004591, AW008317, AL334443, AL1569086, AW193609, AL801591, AL053672, AL358501, AA719805, AL040054, AL198376, AA649642, AL085719, AL830390, AF150152, AA350859, AL375710, AL814735, AL937850, H79308, AL143242, AL344844, AA347927, AL653886, AA669840, AA657835, AL619997, AW166611, AL832865, AL246996, AL460050, AW188976, AL049634, AL709365, AW276817, AA977743, AL246796, AL043578, AL193007, AW131457, AL371070, AW021917, AL285696, AA347930, AW410400, AL434695, AW302013, AW406447, AL590958, AA557686, AA713815, AL1590772, AL884487, AW055226, AL589230, AL653515, AW341903, AW088058, AL676218, AL042753, AL1379719, AA593471, AL121777, AW265385, AL048925, AC005324, AC004796, AC006125, AL135744, AC009516, AC005696, AL133245, AC005332, AC003663, AL049766, AC005913, AL132777, AC004987, AC005740, AF109907, AL022163, AC002402, AC004963, AC006597, AP000557, AD000092, AC005412, AL031667, AC006312, AC012627, AC005699, AC004534, AL008718, AC005180, AL031054, AC000353, AC007842, AL033376, AL021808, Z93930, AC010186, AC005725, AL049836, AC005598, AC003684, AC004638, AL035420, AP000558, AC004675, AL035072, AP000959, Z95152, AC006126, AC005670, AC008249, AC004825, AF088219, D00591, AC005736, AC006480, M87914, U52112, AL023494, AC004998, Z99716, AC005006, AC005237, AC005531, AC004386, AC016831, AC005519, Z97184, AL050332, Z93017, Z98950, AC007793, AC006251, AC007637, AC005253, AC007151, AC002398, AP000216, AC005387, AL079340, AP000553, AC006050, AL078476, AC004876, AC005846, AP001053, AC004929, Z93241, AC006211, AC004858, AC008056, AC007191, AC005154, AP000692, AL049745, AP000047, AC007227, AC003119, AL132994, AF047825, AC006999, AC002307, AC005274, AC005071, AC004895, AL049830, AC009227, AC005089, AP000115, AL031432, AC012085, |

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| | | | | | AF053356, AF196972, AC002133, AC002404, AC004019, AC008064, AE000658, AC005755, AC005921, AL049557, AL109628, AL031228, AC005255, AL117330, AF077058, AL022322, AC000085, AC005244, AL049779, AC004999, AC006127, U78027, AB001523, AB023054, AF001549, Z82976, AC002310, D84394, AC007298, AP000253, AC005763, AC005060, AC004228, AL133371, AC007537, AC007536, AF139813, AC006277, AL023882, AF165147, AC007388, AL035422, AC006128, AP000114, AC007731, AC006195, AC005548, AC006571, AP000962, AC005907, AC004652, AL023575, AL031286, AP000548, AF196779, AP000338, U18398, AC002470, AC005209, AC005295, AC002543, AC002128, AC005799, AC002039, AC006511, AL035458, AC007091, AC005002, AC004955, D83989, AL008730, AL031319, AL132718, AC005815, AP000213, AC007685, AC005019, U85195, AC005632, AC007688, AP000135, X75335, AC002430, AL020995, AC003009, AL035665, Z81357, U80017, AC005969, AC004993, AL049759, S42653, AC004234, AC003670, AC007384, AC004972, AL035542, AC005695, Z84469, AC007488, AC002477, AL049647, AC004990, AC005899, AC004941, AL031848, AC000052, AC007226, AL136295, AC007043, AL034429, AF129756, AC007666, AC006449, AC007682, AC006023, AC002564, AL031666, AC005500, AC007934, AC005378, AP000031, AC005914, AC004099, AC004808, AC004206, AL031273, AF196969, AC007182, AC005839, AC005768, AC005562, AL049748, AC000067, AP000354, AL096775, AP000432, X54175, and AL110292. |
| HDTIY69 | 2031 | 799857 | 1 - 493 | 15 - 507 | |
| HDTIZ44 | 2032 | 925574 | 1 - 388 | 15 - 402 | AA736584, AW075941, AI803986, AW075748, AA480329, AA749202, AA804593, AI214324, AA907245, AA905861, AA806181, AI825149, AI479015, AI766668, AI312426, AI334900, AI334929, AI250558, AI334885, AI379810, AI307204, AI309438, AI340732, AI349156, AI334899, AI271248, AI307713, AI224312, AI307488, AI223564, AI053668, AI223777, AI340417, AI349701, AI349296, AL134999, AI926593, AL040620, AI696583, AL039086, AI474093, AA648441, AI250646, F37409, AI633061, AI500658, AI918424, AA768725, AW169654, AI587489, AI421149, AW020619, AI249375, AI702527, AI866573, AW080157, AA776730, AI879377, AI421662, AW020381, AI638582, AC004687, AL133607, Y10080, L40386, AF067728, I42402, U76419, AL050393, AF107018, AF004162, AF013249, AF044221, AF105427, AF074604, AL117590, S69510, L24896, Z82022, A41575, AL137463, X98066, A83556, I29004, X66417, X60769, AL133608, Z49258, AF084644, AF084645, U80742, AL133049, AF112208, AR012379, AL133557, AF199509, E13998, AF126372, AC005156, AL080124, and AF038847. |
| HDTJAS4 | 2033 | 799856 | 1 - 66 | 15 - 80 | |
| HDTJCS1 | 2034 | 799850 | 1 - 313 | 15 - 327 | |
| HDTJH16 | 2035 | 918631 | 1 - 846 | 15 - 860 | AW117866, and AA279393. |
| HDTJH37 | 2036 | 799834 | 1 - 539 | 15 - 553 | R33692. |
| HDTJH02 | 2037 | 913787 | 1 - 163 | 15 - 177 | |

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|---------|------|--------|----------|-----------|---|
| HDTJ155 | 2038 | 856558 | 1 - 1012 | 15 - 1026 | AI123328, AI761674, AI028395, AA883324, AI494492, AW340221, AI082842, AI739107, AI350566, and AI219506. |
| HDTJK81 | 2039 | 851897 | 1 - 574 | 15 - 588 | AA631510, AA847102, AA570673, AA484892, N76216, T48723, F27015, AI683552, AI624551, AL044271, AF121178, AA558366, AI446205, AW270768, AW008074, AI814059, AI291037, AA603400, AA297195, AA968509, AW277174, AI636439, AA502110, F32248, AI620808, AL045298, AA535494, AA493840, H72688, AI245423, AA503144, N25079, AI890688, AI890102, AA835814, AW189550, AI889580, H85059, H71642, AI075876, C13996, AI469577, AC005529, AC007314, AC007676, AD000813, AC004882, AC002115, Z97055, AC008071, AC002465, AL078638, AC002302, AC006398, AC005332, AC006139, AC005690, AC004671, AC008012, AC004874, U91323, AL034423, AC007529, AC004862, AC002480, AC005235, Z83822, AL035361, AC004381, AC005183, U91319, AC003957, AP000282, AP000514, AC006064, AP000466, AP000108, AP000040, AC007425, AC000026, AC004616, AB020865, AC007450, AC005041, AF049895, AC002059, Z97876, AL033376, AC005018, AL034379, AL035089, AC004887, AL009181, AC005598, AC003976, AC006547, AC005049, U95740, AC004834, AL008718, AL008729, AC007011, Z84480, AL021707, AC004033, AL031728, AC002288, AC005011, AC005046, AP001054, Z99774, AC005409, AC006213, AC000072, AF001548, AC005701, AC000120, AC005243, AL122020, AC004551, L77569, AC004865, AL121653, AC005104, AL020995, AL034555, AL133445, AL132987, Z85999, AC004098, AC005004, AF001552, AC004808, AC002496, AC004963, AB001523, AC006359, AL035072, AP000030, AP000212, AP000134, AL117375, U89135, AL020989, AC009464, AF205588, AC005393, AL022162, AC007860, AC006013, AC004982, AC006430, AF227510, AL121754, AC009263, AC004073, AC006947, AC004594, AC004895, AC002563, AC006544, AL035633, AC005881, AC004216, AL021940, AC004542, AL021395, Z98200, AC007637, AF099810, AC003682, AC004694, AL031643, AL022328, Z84466, AC009225, AC007371, U52111, AL031904, AC006006, AP000088, AC004745, AC005971, AP000011, AP000153, AC007664, AL009179, Z81365, AC009743, AL031673, AC009247, AF019664, AC005086, AP000031, U91318, AL021877, AC005548, AJ004799, AC003106, AC004876, AL049778, AF047825, AL034343, K03021, Z85989, AF045450, and AP000152. |
| HDTJQ18 | 2040 | 805597 | 1 - 508 | 15 - 522 | AC010196. |
| HDTJT70 | 2041 | 918563 | 1 - 1094 | 15 - 1108 | AA399660, and AA397890. |
| HDTJU06 | 2042 | 934242 | 1 - 412 | 15 - 426 | |
| HDTKP88 | 2043 | 799865 | 1 - 566 | 15 - 580 | |
| HDTKQ14 | 2044 | 886936 | 1 - 541 | 15 - 555 | AL023653, and AL049683. |
| HDTKS28 | 2045 | 885471 | 1 - 512 | 15 - 526 | W07055, N98814, R19346, AA461032, Z20457, W93772, W77921, AF155739, and AL050171. |
| HDTKU06 | 2046 | 934269 | 1 - 722 | 15 - 736 | AL037304, AI184565, and AC004492. |
| HDTKX89 | 2047 | 799829 | 1 - 690 | 15 - 704 | |
| HDTKZ74 | 2048 | 799842 | 1 - 626 | 15 - 640 | AC006378. |

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|---------|------|--------|---------|----------|--|
| HDTLA08 | 2049 | 958307 | 1 - 480 | 15 - 494 | <p>AL299823, AA918074, AA134973, AA484892, AA878492, W60522, AA526413, AL150934, H86399, AL049539, AF129756, AC005800, AC004929, AL080243, AC007688, AC002316, AC000353, AC005095, AC005971, AC006006, AC004216, AC002369, AC004491, AL020997, AF053356, AL096712, AC007685, AC005231, AL109938, AL132712, Z98946, AC007386, U96629, AL139054, AC005082, AL049569, AC004832, AC005529, AL024498, AL031591, AC011198, AL022320, AC006312, AC007684, AL035455, AL050308, Z84487, Y14768, Z97053, AC004858, AP000505, AC007057, AL049872, AC005207, Z93241, AC004882, AL121871, AC002395, AC002310, AC005899, AC005004, AF109907, AP000555, Z80897, AC002477, AL031297, AL109653, AL022396, AC005933, AC004025, AC004685, AC005332, AC005696, AL035494, AL033392, AC007283, AC007425, AF067844, AC005911, Z98742, AC004921, AC007536, Z82208, AC002985, AC020663, AL049712, AF134726, AC008067, AC002301, AL109627, AC003665, AL133216, AL132777, AL049760, AL021937, AC004531, AC007160, AC002347, AL009181, AC004448, AC004655, AF064861, AL031733, AC005566, AL109628, AC005694, U07000, AL034553, AC005837, AC002312, AC007707, AC005015, X03120, AL035681, Z98750, AL034429, AC004854, AF196779, AC005690, AC005924, AC006333, AC002126, AL021391, AC005740, Z98745, AC007324, AL031005, AL035587, AC002425, AF165926, AC007488, X01392, AL117258, AL031277, AC005261, AF045555, AC004036, AC005527, AC005224, AC005225, Z54246, AC007690, AL010770, AC015853, AL136295, Z93023, AF111169, AC004013, AC006079, AC005041, AL031282, AC007014, AL049795, AC005678, J00098, AC002565, AC006211, AL121578, AF047825, AC005736, AL022324, AC006449, AL049589, AL135744, AP000350, AL031311, AL049869, AC002365, AC005049, AC005846, AC006576, AC006064, AL031657, AF207550, AP000557, AC005632, AC000379, AC006236, AL121603, AC004659, AL031283, AC004149, AC007226, U89337, AC006459, AP000358, AC004099, AP000251, AD000091, AC006251, AL096763, AC006538, Z97055, AC005081, AL049830, AF196969, AC005668, AC007240, AL035664, AC005821, AC005914, and AP000141.</p> |
| HDTLAS3 | 2050 | 851826 | 1 - 635 | 15 - 649 | |
| HDTLB55 | 2051 | 905872 | 1 - 558 | 15 - 572 | R54209, H04999, AA179219, M62122, AA143551, W24376, and AA376209. |
| HDTLD17 | 2052 | 908601 | 1 - 654 | 15 - 668 | W27300. |
| HDTLH19 | 2053 | 959932 | 1 - 279 | 15 - 293 | |
| HDTLK51 | 2054 | 851846 | 1 - 524 | 15 - 538 | <p>AI349849, AI590485, AI345695, AI345366, AI310873, AW168420, AA582073, AA605272, AI755214, AI754105, AA809546, AA829044, AA228349, AA953238, AA282820, AL042635, AI754567, AA515905, AA126450, AA748833, AA744018, AA244339, AA410828, AA828834, T11828, AC004832, U91326, U91321, AC004525, AC007708, AC005081, AC005015, AL049832, AC002544, AL022336, AC005089, AC002407, AC003982, AC006236, AC002351, AC007981, AC007324, AC006537, AP000130, AP000208, AC007325, AC005884, AC007879, AL021546, AL049780, AF001552, AL049539, AL121580, AC004858, AC006441, AC004848, AC004929,</p> |

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| | | | | | AC006261, AC006039, AL035659, AC005874, AF134471, AL109865, AC002402, AL035495, AC000029, AC007327, AL050318, AP000503, Z82190, AL031730, AC004820, AC006023, AC002350, AC008372, AC006948, AL035086, AC004494, AC004149, AL109628, AC008009, AP000550, AL035045, Z92542, Z84466, AF109907, AC007686, AC002302, AC005580, AC000117, AC005410, AL031680, AC005332, AC007899, AC008132, Z97056, AC004382, AC005324, AC006011, AC002477, AC005919, AP000513, AC009263, AC007676, AP000694, AF024533, AP000246, AF047825, AC004813, AC005952, AC002996, AF048729, AC007358, AC006316, U96629, AC002045, AC007546, AC005538, AC006343, AL031594, AL133448, AL049636, AP000354, AC005841, AC007649, U47924, AF196969, AL034429, AL008715, AL009181, AL049569, AC012039, AC005482, AC005225, AC008018, AC005011, AC004675, AC004987, AF134726, AL021154, AP000350, AL049830, AC007367, AC007566, AL049869, AC008079, AL021707, AC005358, AL078477, AC002352, AC018633, AC006487, AC004972, Z86064, AC005412, AC004106, AC009248, D87675, Z93023, AC005228, Z95329, AL020997, AC005914, AL049793, AC007114, AL008718, AP000152, AL031313, AL049760, AF088219, AC007564, AC005368, AC003046, AC002511, AC004605, AL022165, AF029308, AC005666, AP000213, AC007055, AC003010, AC002470, AC007488, AL121754, AB001523, AC005050, AC009363, AC005722, AB023048, AC004975, AP000031, AC002565, Z85986, AC004491, AC004801, AL133246, AP000135, and AC009288. |
| HDTLN80 | 2055 | 805562 | 1 - 605 | 15 - 619 | AW372827, AW392670, AL042978, AL119443, AL037205, AW363220, AW384394, U46341, AL119319, AL119497, U46351, AL119324, AL119457, Z99396, U46349, AL119341, AL119484, AL119391, AL042965, AL119496, U46350, U46347, AL119355, AL119363, AL119444, AL142132, AL119483, U46346, AL043205, AL119335, AL134524, AL119439, AL119401, AL134902, AL134528, AL119399, AL039851, AL119522, AL134525, AL119396, U46345, AL042850, AL119464, AL119418, AL134536, AL134538, AL042973, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079. |
| HDTLP72 | 2056 | 799837 | 1 - 343 | 15 - 357 | AP000224, and AP000086. |
| HDTLX24 | 2057 | 799838 | 1 - 615 | 15 - 629 | AL049631. |
| HDTMG55 | 2058 | 959633 | 1 - 494 | 15 - 508 | |
| HDTMH14 | 2059 | 799847 | 1 - 457 | 15 - 471 | AF067844, and AF143316. |
| HEIAA07 | 2060 | 920257 | 1 - 300 | 15 - 314 | AC003695, and AC002091. |
| HEIAA38 | 2061 | 907594 | 1 - 332 | 15 - 346 | |
| HEIAB13 | 2062 | 677400 | 1 - 339 | 15 - 353 | R32529, W95563, T85989, AA316471, AA046628, AA152270, T87538, AA150254, H67429, R68856, AW406467, T97847, H95214, H58974, H94342, R98261, T99568, T87539, and A1991836. |
| HEIAB27 | 2063 | 683474 | 1 - 313 | 15 - 327 | AA768235, AA768974, AA767660, and AF033033. |
| HEIAB68 | 2064 | 721652 | 1 - 68 | 15 - 82 | |
| HEIAC83 | 2065 | 920022 | 1 - 148 | 15 - 162 | A1890971, AA323085, AA325999, R87547, AA196160, H04821, N83628, AA687084, AA502236, |

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|---------|------|--------|---------|----------|---|
| | | | | | AA555085, AL134615, AI127133, AW439625, AI962973, AW439820, AI859849, AA683037, AI081241, AI052770, R69109, AA625787, R66922, AA744098, AI702364, AP000555, AL049563, Z86061, AL035417, AC007842, AC005043, AF001552, AC005233, AL109938, AF121782, AI034423, AC005180, AL031407, AC004682, AL031003, AC007052, AL050325, AC004931, AP000151, AL139054, D83253, AF064857, AC004955, AL031430, AP000009, AC005229, AL022328, and AC009396. |
| HEIAD05 | 2066 | 932397 | 1 - 295 | 15 - 309 | |
| HEIAE05 | 2067 | 932390 | 1 - 211 | 15 - 225 | |
| HEIAE76 | 2068 | 577254 | 1 - 287 | 15 - 301 | AA659298. |
| HEIAG38 | 2069 | 577308 | 1 - 372 | 15 - 386 | AI688963, AA308708, AW020449, AI914747, AA325521, AI537814, AI811076, AA658101, AA452879, NS5560, AI261932, AI863180, AL044468, AI888705, AI755057, AA767864, AI801031, M85982, AI140609, AW079345, AI580252, AI111171, AI684349, AA668736, AA121818, AA222741, AI434725, AI188963, AA419521, AA406457, R71593, AA278573, AA078248, AI798234, R12683, AL078602, AC001556, AP000499, AC003665, AB026898, AL031428, AF008243, AC005081, AC005015, AC004167, AC008015, AP000160, AP000018, AC003950, AC004104, AC004787, Z54246, Z95331, AF001549, AL139054, AC005581, AL049745, AC001228, AP000555, AC007242, AC004990, AL133241, Z93244, AC002430, AP000553, AC005089, AL020997, AC007384, Z49862, AC007666, AC007277, AC000052, AC004019, AL132777, AL050317, AL022316, AC005543, AC005545, AL008716, AL024509, U82828, AC004876, AC004032, AC004143, AL031779, AC005409, AC008372, AC007011, Z68162, AC003966, AC004738, AC005670, AC004106, AC004967, AC004590, AP000556, AP000557, AB017335, AC004914, AC002301, AC004878, AL031277, AC018633, AC005781, Z84466, AC005666, AL031680, AL049636, AC000353, AC006111, L34079, AC000404, AC004084, AP000167, AP000013, AP000155, AL050318, AC005837, AL023807, AC005562, AC008116, AI006216, AC005257, AP000171, AP000056, AP000124, AC004865, AP000330, AC004638, AC005325, AC007773, U91321, AC004752, AC005049, AC006344, Z98941, AC004884, AL035413, AL109865, AF024533, AC002511, AC002996, AC005088, AC004985, AC010205, AC007376, AI011930, AC006241, Z93784, AC003077, AP000067, AC005231, AL009181, AC005482, AC005391, AC004777, AC005796, AF051976, AL117375, AL050327, AC004453, AC009320, AL008639, Z85987, AC007558, AL049709, AC005086, AP000432, AC006531, AC007546, AL049553, AC006536, AC004841, AL080317, AC007390, AC005914, AL031848, AC020663, and AF001551. |
| HEIAH70 | 2070 | 757174 | 1 - 330 | 15 - 344 | |
| HEIAL53 | 2071 | 466308 | 1 - 420 | 15 - 434 | |
| HEIAO01 | 2072 | 916438 | 1 - 290 | 15 - 304 | AC006241, U47924, AL035400, and Z97053. |
| HEIAO14 | 2073 | 851197 | 1 - 398 | 15 - 412 | AI445914, H81732, AI096738, AA230155, AI963183, AI813783, AI358542, AA501781, AA746939, AI380617, AW008161, AA837000, AA654874, AL038842, AA776651, AA745096, |

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| HEIAO48 | 2074 | 917281 | 1 - 366 | 15 - 380 | AA353129, AC002310, AL031295, and AL009174. |
| HEIAO51 | 2075 | 725649 | 1 - 210 | 15 - 224 | |
| HEIAT07 | 2076 | 953574 | 1 - 348 | 15 - 362 | AL023096. |
| HEIAT36 | 2077 | 576598 | 1 - 497 | 15 - 511 | AW293633, and D87470. |
| HEIAU68 | 2078 | 753000 | 1 - 211 | 15 - 225 | AI610108, AW130937, AA829185, AW197946, AC004540, Z98751, and AC009498. |
| HEIAV20 | 2079 | 523766 | 1 - 346 | 15 - 360 | AI633518. |
| HEICC82 | 2080 | 781171 | 1 - 371 | 15 - 385 | AI910620, AC005520, AL031432, AC004876, AC008124, AC005871, AC005822, Z77249, AC004985, AL109758, AC000353, AC004084, AC002378, and AC006111. |
| HEOAB19 | 2081 | 939448 | 1 - 308 | 15 - 322 | AW238796, AI446252, W47453, and AB011164. |
| HEOAD29 | 2082 | 690762 | 1 - 487 | 15 - 501 | |
| HEOMC23 | 2083 | 850094 | 1 - 391 | 15 - 405 | AW118893, AA448473, AI376031, AI911852, N51619, AA993690, AI818630, T15650, AI014894, AA452607, AA432010, AI968348, and R43403. |
| HEOME43 | 2084 | 967292 | 1 - 1957 | 15 - 1971 | AL043294, AL045350, AI190043, AI553975, AL043295, AA837456, AI678979, AA610597, AW118951, AA916395, AI022758, AI809435, R46582, AI688011, R82289, AI909854, AA426089, AI540672, R21690, AA634501, AI286300, T96008, AA477176, AI589160, AI024524, AI866060, AI394226, and AW299557. |
| HEOMF61 | 2085 | 573059 | 1 - 431 | 15 - 445 | |
| HEOMG01 | 2086 | 916672 | 1 - 490 | 15 - 504 | AL035091. |
| HEOMG04 | 2087 | 922824 | 1 - 67 | 15 - 81 | AC004884. |
| HEOMG16 | 2088 | 933969 | 1 - 464 | 15 - 478 | AC004997, and AC005585. |
| HEOMG25 | 2089 | 678190 | 1 - 695 | 15 - 709 | AI546993. |

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| HEOMG32 | 2090 | 699343 | 1 - 410 | 15 - 424 | AC005247. |
| HEOMG48 | 2091 | 963338 | 1 - 470 | 15 - 484 | AW170594, AI632286, AA319071, AP000504, AF129756, and AF109905. |
| HEOMG78 | 2092 | 920911 | 1 - 831 | 15 - 845 | AA206565, R98750, and R71112. |
| HEOMH04 | 2093 | 854342 | 1 - 1294 | 15 - 1308 | AA878325, AI467795, H60658, AI142916, H59844, and R48574. |
| HEOMH31 | 2094 | 951834 | 1 - 589 | 15 - 603 | AB011169. |
| HEOMH77 | 2095 | 721342 | 1 - 401 | 15 - 415 | AA749137. |
| HEOMH89 | 2096 | 787109 | 1 - 358 | 15 - 372 | AI768609, AA350845, AI140661, AW207100, AW382915, R85713, AI880236, H38087, AI984926, AI828532, and AI245621. |
| HEOMK83 | 2097 | 918374 | 1 - 480 | 15 - 494 | AB029488, and AC002536. |
| HEOML13 | 2098 | 893874 | 1 - 340 | 15 - 354 | AC002425, and AC002544. |
| HEOML73 | 2099 | 724043 | 1 - 405 | 15 - 419 | |
| HEOMM10 | 2100 | 964736 | 1 - 364 | 15 - 378 | |
| HEOMN02 | 2101 | 913819 | 1 - 548 | 15 - 562 | |
| HEOMO43 | 2102 | 855659 | 1 - 412 | 15 - 426 | |
| HEOMO57 | 2103 | 795128 | 1 - 472 | 15 - 486 | |
| HEOMP31 | 2104 | 698087 | 1 - 364 | 15 - 378 | H64717, and H65208. |
| HEOMP73 | 2105 | 750609 | 1 - 407 | 15 - 421 | AL008628. |
| HEOMQ17 | 2106 | 851049 | 1 - 630 | 15 - 644 | AA523718, AA565660, AL042630, H55927, AW117723, AW117704, AI287787, H74201, AA528557, H62615, AI914558, AA206036, AA348884, AI473501, AC006566, AC005837, AC003663, AC007016, AC008372, AC004193, AB023057, AP000520, AC007390, AC007189, AI239321, AL034350, AC002487, AC005668, AC006992, AC004653, AC005838, AC004079, AC005915, AF055066, AF054594, AF035666, AC007652, AP000008, Z79028, AC005823, AC004134, AL049697, AC005821, AC004531, and Z82198. |
| HEOMQ75 | 2107 | 965882 | 1 - 560 | 15 - 574 | AL033522, AL137100, AC005089, AC005899, AC004031, AL080243, AC007688, AC007707, Z82178, AC004686, AC005488, AC022517, AC006581, AL031662, AC005072, AC005529, U91323, AC004963, AL009181, AC002425, AL031659, AC004878, AC005722, AC004531, AC003101, Z84466, AC005015, AC004616, AC004966, AC005800, AF006752, Z84487, AC005996, AC002300, and AC005479. |
| HEOMQ80 | 2108 | 835599 | 1 - 431 | 15 - 445 | |
| HEOMR13 | 2109 | 657317 | 1 - 657 | 15 - 671 | AA136577, AI806102, AI086830, AW080440, AW130093, AA129563, AW402817, AW025074, AA101113, AA502991, AW148507, AA630672, AA837087, AW403644, AA127426, AA483108, AA809546, AW177794, AA858372, AW177801, T77680, AI627614, AI611960, AI583255, AW328000, N23504, AI524360, AW128884, AW128900, AA634837, AA654661, T06917, AA455483, AI537458, H68017, N58329, AA633762, AI002744, AL037052, AA326139, AA552955, AA402129, H25921, AA331301, AI907530, AI086646, AA487872, AA845659, AA380354, AI656774, AL119600, AA773463, AA847095, AW250026, AA551181, AA629872, |

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| | | | | | AA092571, AW081303, H82185, AA345064, AA663512, AL046402, AA769429, AL045954, AA070345, AA828637, AA493136, AL638635, N71685, AA847096, AL798493, AA370455, H12383, AA807583, T47084, AW270258, H93097, AW168520, AL009182, AC007461, AC004963, AL034401, AC004655, AC005191, AL031033, AC005602, Z82214, U15177, Z98036, U81031, AC000028, AC002070, AL049778, AL122021, AC007381, AC005796, AC006323, AC009044, AC006057, AL049540, AF165142, Z93241, AL080285, AL121877, AC002527, AL008719, AC006312, AC004497, AC002106, AC004036, AC005207, AC005949, AC006125, AC005626, AC005955, AC005756, AP000096, AL035701, AP000240, AF069291, AF015262, AJ229043, Z83844, AC000029, Z83822, AL050338, Z98752, AF200465, AC007057, AL049872, AR036572, U91328, AL021397, AC002073, AC007226, AL035089, AC005730, AP000362, AL031297, AC004000, AL021154, L78810, AL121782, AC005377, AL021546, AC006552, AC005214, AC006365, AL133353, AC005011, AL022721, AC004612, Z69719, AC007774, AL049576, AC004548, AL035460, AL031667, AC004098, AP000967, AL049569, AC003101, AL031186, Z69917, Z82976, AL035681, AF017115, AL033376, AC005245, AC005366, AP000563, AL021330, AC006039, AP000246, AP000211, AP000133, AP000208, AP000130, AL049539, Z86061, AC004525, Z94721, Z84487, AC005726, AC005529, AC004966, Z69925, AC002288, AC007205, AL008637, AL031597, AC002299, M63796, AC005924, AL030995, AL023553, AL078639, AC007227, AC006273, Z81364, AC006958, Z98744, AC005476, AL049861, AF064858, AC006165, AC000070, AF049895, AL033527, U91321, AF002991, AC004152, AC007191, AC003109, AC004522, AL022158, Z98946, AC010170, AC009330, AC005081, AL031311, AL133163, AC006515, AC004531, AC005682, AC004685, U71218, Z81000, AC006930, AC005578, AC005838, AL121591, AC004707, Z97056, AL110502, AC006487, AC004999, AC006013, AC006950, AC005952, AP000255, AC004814, AP000213, AL096763, AC004070, AP000135, AP000031, U91326, AL022318, AC006313, AB023051, AC004644, AP000251, AP000030, AP000134, AP000212, AC004542, AL132642, M87914, AL008723, AC005500, AC004821, AL031985, AF135025, AF084941, AF052685, and D86992. |
| HEOMR57 | 2110 | 575739 | 1 - 298 | 15 - 312 | |
| HEOMR92 | 2111 | 963130 | 1 - 397 | 15 - 411 | AF150377. |
| HEOMR96 | 2112 | 855652 | 1 - 646 | 15 - 660 | |
| HEOMS08 | 2113 | 959581 | 1 - 193 | 15 - 207 | |
| HEOMS65 | 2114 | 969184 | 1 - 474 | 15 - 488 | AA355836. |
| HEOMS85 | 2115 | 662928 | 1 - 400 | 15 - 414 | AC003695, and AC002091. |
| HEOMS92 | 2116 | 735720 | 1 - 341 | 15 - 355 | AL137718, AA810404, AA810193, A1919569, and AA732716 |
| HEOMT38 | 2117 | 850980 | 1 - 433 | 15 - 447 | AA281379, and AA805453. |
| HEOMT79 | 2118 | 936687 | 1 - 502 | 15 - 516 | T87253, U73628, and AC002554. |
| HEOMU07 | 2119 | 953475 | 1 - 244 | 15 - 258 | AC012085. |
| HEOMU23 | 2120 | 675971 | 1 - 374 | 15 - 388 | R25873, AA730123, A1979259, A1982610, A1985694, A130285, AL022067, and U08185. |

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|---------|------|--------|---------|----------|---|
| HEOMU79 | 2121 | 965900 | 1 - 543 | 15 - 557 | AL048427, AL119511, AW151974, AI434242, AI538850, AI538855, AI872423, AI690472, AI445620, AW058275, AI866469, AI500714, AI859991, AI860003, AI432644, AI440260, AI537677, AI494201, AI804505, AI500659, AI815239, AI866465, AI815232, AI801325, AI866691, AI500523, AI887775, AI582932, AI923989, AI284517, AI590043, AI500706, AI445237, AI491776, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AI285417, AI539800, AW172723, AI582912, AI284509, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI805769, AI888661, AI952433, AI284513, AI888118, AI285439, AI436429, AI889147, AI623736, AI355779, AI581033, AI371228, AI491710, AI440252, AI431307, AI282249, AI440238, AI567971, AI866786, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AI539781, AI431238, AW081122, AI702065, AI539707, AI885949, AW089557, AI559957, AI285419, AI521571, AI469775, AI866581, AW074057, AI815150, AI567953, AI446495, AW151979, AI867068, AI225248, AI358271, AW151132, AI698352, AW022636, AI890907, AI225000, AI371229, AI431323, AA477608, AL042365, AW169213, AI538881, AW079432, AI923061, AI687614, AW194509, AL047422, AI539771, AI891102, AI879377, AL047398, AI866458, AI469764, AI371251, AI866510, AI623302, AW081133, AI538764, AI866461, AW151136, AI923046, AL043152, AI554485, AI887785, AW130168, AL043168, AI049859, AL041862, AA651819, AI561170, AL048403, AI690946, AI889191, AI648567, AL042686, AL046356, AI433157, AI610426, AI554821, AL045500, AI589947, AW129310, AI819663, AA729782, AL119457, AI312428, AI540446, AI564459, AI273179, AI934000, AI368816, AI371243, AW058279, AI434240, AL042533, AI702406, AL039390, AW080700, AA641818, AI671642, AI860865, AA878808, AI961589, AA738104, AI582910, AI687587, AI798359, AI500683, AW079158, AI356470, AI493559, AL042655, AA939199, AI355008, AI521566, AI499104, AI274759, AL046990, AI630898, AL042416, AI539863, AI366900, AI433976, AL045466, AL042488, AI924051, AL043089, AW161202, AI049850, AI366910, AI469516, AW071349, AI349245, AI561177, AW020419, AW082113, AL040459, AL047611, AL040207, AI582926, AI049851, AI491904, AL040844, AL043321, AI365256, AI565932, AW080565, AA070889, AA575874, AI499463, AA648480, AL045626, AW191003, AI355126, AI537187, AI564500, AL045166, AW197139, AI354981, AI240602, AI610362, AL042544, AI440239, AI567961, AI521596, AI436438, AI828572, AI275175, AI521589, AI310500, AI537273, AI537191, AW151970, AI371265, AI436456, AL046681, AL039287, AW004595, AI887765, AI963846, AI049856, AC015853, AF055917, AR034821, AL080129, AF100781, AL050092, A58524, A58523, U30290, E12580, AL122049, AL117460, A45787, AL133049, AL133084, AL133070, E12579, AR011880, I48978, AL133053, AL137558, AL049423, AF118090, AL133015, AL133608, AL110159, AL137656, AL035458, U49434, X67813, M79462, D44497, AL049314, AL122101, AL096720, A08910, AL050024, A08909, AF084644, AF084645, AF114168, Y11254, U77594, AL122100, A08908, U68387, |
| HEOMV11 | 2122 | 847274 | 1 - 282 | 15 - 296 | |

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| AF008439, Y11587, AR068466, AF067728, E13998, E06743, Y10655, AL117438, X95876, Z82022, AL049452, X72889, X82434, AB022159, AL137463, AL133629, AR038854, I79592, D00174, Z37987, AL050138, Y00093, AL133665, S77771, AF113694, I46765, AF183393, L13297, A08912, I89947, AF002985, AF161699, I48979, AF026008, AF137367, U35846, AF043642, AC004213, AL049465, U92992, AF113677, L19437, L10353, A07588, AF097996, I17767, E15324, X54971, AF038440, AL117435, AL133072, AF077349, AR020905, AJ001838, X70685, X72624, M30514, M85165, AL133607, A93350, AF017152, AL110221, AL050108, AF061981, AL080126, AL049466, X98834, L24896, X72387, S61953, S75997, AL137429, U13676, AF118558, I09499, U57352, AR005011, Y14634, AL137480, I03321, AF162270, AC007114, X81464, AF113690, X76228, I28326, AF118064, X87582, Z72491, AL137648, AF000301, AL133010, AL137548, AF151109, Z97214, AF081195, Z82206, X56530, E03348, Y10823, AL137640, AL137523, U58996, AL137529, AL133568, AL080148, AF106862, U72620, E12747, AF074604, AF215669, AL137560, AL122111, L30117, AF026124, AL050116, U66274, A12297, AL137292, AF000145, AL137267, Z49258, AF095901, Z93784, A32826, A30330, A32827, A30331, AL080060, Y11435, AF012536, AF076464, AF017437, AF119336, Y10936, AF081366, AF093119, AF069506, A44314, AL049464, S69385, AL133655, AL117585, A07647, X93495, AF108357, X53587, A08913, AL008706, I00734, A70386, U75932, AF078844, S63521, AF118094, AL133558, A41579, X60786, AL137478, A77033, A77035, A08916, AF073993, AL137271, AR012379, AL133016, E00617, E00717, E00778, AF016271, AF119358, AL137521, AF040723, AJ012755, AL137479, AF081197, AL137476, AL122123, AL022170, A15345, AF067790, AL122110, AL137283, AL080159, I33392, and AL133081. | | | | | |
| FI1697, AA194124, AC005999, AC006547, AC005663, AC005664, and AC005160. | | | | | |
| AI819924, AI139693, AA658096, AW340876, AW196652, AW388936, AW117675, and AI146863. | | | | | |
| Z85996. | | | | | |
| AI309389, N49368, AI433008, AI344822, AI611016, AA618452, AI271126, AL137998, R69717, AI744826, AW269117, AW385452, AI963720, AW303002, AA018283, AA490183, AA780468, AA349927, AL039958, T41247, AA661921, AI307486, W74144, AI345157, AI700109, AA483929, AI138455, AI249573, AI732151, AA279421, AW264934, AI694130, AA724922, AA747070, AL041619, AL046409, AW069769, AA486131, AI754336, AA533333, AI306324, F00107, AA780515, AW003107, AL138396, AI925579, AA482711, AI610603, AI696962, AI369580, W77807, W72692, AA838190, AW088846, AA654781, AA480792, AI791913, F05324, AI792133, AI821714, AA206721, AA493136, AI610840, AA553406, AA218835, N47224, AW190615, AA478355, AI431303, AI499588, AA493894, AA774059, AI393931, AI004704, AA834707, AI270117, AW088616, AA630672, AL045808, AL046156, AW023990, AW268757, | | | | | |
| HEOMV16 | 2123 | 958211 | 1 - 452 | 15 - 466 | |
| HEOMV54 | 2124 | 866586 | 1 - 518 | 15 - 532 | |
| HEOMV81 | 2125 | 915093 | 1 - 491 | 15 - 505 | |
| HEOMW26 | 2126 | 418125 | 1 - 386 | 15 - 400 | |
| HEOMW83 | 2127 | 659808 | 1 - 341 | 15 - 355 | |
| HEOMX04 | 2128 | 615337 | 1 - 287 | 15 - 301 | |

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| AA613591, AI088768, AI285753, AW268918, AW303150, AA584195, AL042753, AI312955, AA601253, AI597820, AI953275, AW163293, AI271028, AA579179, AI792261, AI204959, AW328488, AA493975, AI524037, AL037850, W45625, AW302903, AA572798, AI907711, AW275510, AI217937, AI633025, AI119713, AI471887, AA658406, AA584692, H71429, AA290624, AW167881, AF034184, AA455670, AI823688, AI027459, T06822, H23653, AW148507, AI611462, AI084294, AI583283, AA112692, AA112672, AA831787, AA084337, H86363, AA640410, AA640430, AL037683, AW161978, AA584201, AW104030, AI031973, AI638561, AA101689, AA584805, AI284640, AI094787, AW102846, AI345827, AI370074, AI754253, AL043289, TS9244, AW235497, AW263415, AI167356, AA508359, AI687343, AL037554, AL045813, AL044940, AI349817, AL046746, AL046266, AI924872, AW268954, AL120343, AC004814, AL109758, AC007227, AF199339, AC006972, AF084195, Z99943, AC004881, AC006442, AC004687, AC005363, AP000507, AC004028, AL109984, D84394, Z98051, AL009179, AC006101, AF165176, AC006019, AC005684, AL031848, AC007151, AC002507, AC004650, AC005728, AC002452, Z72001, AC005839, AC004916, AL078463, AC004765, AC003070, X06123, X61109, AC006537, U62293, AC005057, U80017, AC005914, AL031228, AL049829, AC008038, AL109839, AC004979, AF165175, AC007200, AC004987, AL079340, AC004982, AC006305, AC009223, AL109657, AC005291, AL078589, X69951, AP000204, AP000126, Z95124, AC004254, AL049761, AC004070, AL096862, AC004849, AC002300, U91318, AL133445, AC006430, Z95114, AC005046, AF015151, AF141309, AC004030, AC005217, AC006323, AC005049, AC006965, AF126403, AC004492, AC002429, AC006356, AF057280, J03818, X55929, AB014078, AP000244, D87008, AC004761, AC005525, AC005790, AC005203, AC005604, AC007229, AC004209, D88268, AC006139, AC005335, AL023579, AC004756, AC004775, AL022477, AC005031, AL049562, AL117342, AC002383, AP000503, AP000514, AL035694, AC012627, AL049544, AL031293, AL021155, AL035407, AC006205, AC004941, U91319, AC005378, AC003003, Z84487, AL023581, AC007671, AC009044, AC008014, AL023807, AC007546, AC007057, AL049832, AC007655, AL022323, AC006459, AC006111, AC007537, AC007363, AC005859, AF002223, AR036572, U91328, AC004019, X54180, AF030880, Z83836, X03272, AC005575, Z84485, AC005250, AC002467, AP000158, AC005231, AL031274, AC004601, AL020997, AL031664, AC006075, AC005906, AC004470, AC005406, AP000014, AF038667, AL021397, AP000339, AC004935, AP000217, AL031286, AC004222, AC003075, AC005295, AC004861, AC003074, Z93931, AL022316, AC007395, AC007011, AC018359, AL049872, X55933, Z92845, AL035361, AL022302, AC005182, AL033533, AC004913, AL034451, AL033518, AC003982, AC006251, AC003957, AC005177, AL078603, AC006989, AC006226, AC008126, AC002457, AC006241, Z98941, U95090, AC003030, AB026584, U63630, AC005603, AC004232, AL031300, AP001043, AL035634, AC003691, AP000282, AC007536, AC012599, AP000108, AP000040, AL034373, AC000159, AC004857, AP000365, AP000462, AC007304, AC005389, AC004773, AP000548, |
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| HEOMX61 | 2129 | 958233 | 1 - 535 | 15 - 549 | | Z98950. |
| HEOMX65 | 2130 | 575919 | 1 - 451 | 15 - 465 | | |
| HEOMX92 | 2131 | 919200 | 1 - 422 | 15 - 436 | | N63479, T66032, AA196156, T47172, AA305334, AL124664, AL537310, AA401240, AA761876, AA769559, AA404287, AL925653, AA314294, AA581238, AA312605, AA032022, AA031911, AA425438, AA468322, F00487, AA420494, AA324750, U95740, AC004770, AL049759, AL033524, AC006237, AL035458, AF086934, AC005572, AC005772, AL109623, AC006211, AC004938, AP000354, AC006996, AC002492, AP000964, Z98946, AL110122, AC002091, AC004084, AL022165, AL008582, AL023581, AC004888, AC006511, AC006057, AC006512, AL049829, Z47066, and AC007381. |
| HEONC06 | 2132 | 855649 | 1 - 643 | 15 - 657 | | |
| HEOND75 | 2133 | 918209 | 1 - 314 | 15 - 328 | | |
| HEONI79 | 2134 | 506226 | 1 - 333 | 15 - 347 | | |
| HEONK15 | 2135 | 660365 | 1 - 430 | 15 - 444 | | H06248, H13011, M89651, and AF004222. |
| HEONM30 | 2136 | 692726 | 1 - 311 | 15 - 325 | | AC007032. |
| HEONM69 | 2137 | 855638 | 1 - 507 | 15 - 521 | | AC000393, and AF081946. |
| HEONN28 | 2138 | 745144 | 1 - 454 | 15 - 468 | | AL041375, AL053477, AW274078, AL431513, AL376239, AW089016, AA225890, AA503298, AA664604, AW162047, AW162303, AA557945, AL014843, AA947375, AW270258, AW078909, AW193493, AW302315, AA609834, AA947265, AW341955, AW089950, AA657374, AL439910, AA478602, AW190484, AL865196, AA489390, AL243793, AA669234, AL610737, AL039187, AW243793, AA483606, AL572680, AL371208, AA299589, AL292317, AL565126, AA405726, AA570740, AA652834, AA492105, AA805848, T74524, AA287570, AL473671, AA720732, AW068008, AW068007, AA255853, AA568204, AL654738, AA469230, AA487475, AA608520, AL039089, AL049869, AC002316, M87914, AC007371, AC004491, AC004084, U47924, AC005089, AC006597, AC002996, AC006509, AP000689, AC007536, AC007637, S42653, Z86090, AL080243, AC005632, AL049776, AF196969, AC006948, AC004890, AP000704, AL096791, AL031848, AL049636, AL022326, AC007358, AP000688, AC005037, AC002543, AL031005, AC003098, AL035587, AF047825, AL096712, AL133396, AC004455, AL121653, AC002038, AC000087, AC005696, AD000092, AL049830, AL031776, AL024498, L24093, AC004796, AL022322, AC005837, AL049570, AC005800, AC009510, U07561, AL096701, AC005913, AL117258, AF205588, AL035403, AF001549, D87675, AP000252, AP000065, AP000556, AL034418, AL035088, AC003663, Z83844, AC006064, AC002312, AL023807, AL049692, AL133500, AC005081, AC005365, Z98200, AC006511, AP000134, AP000212, |

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| HEONQ81 | 2139 | 792074 | 1 - 283 | 15 - 297 | AC000353, AF048729, AC004887, AL009182, AE000658, AL121603, AP000090, AC005914, AC005871, AC005900, Z95152, AC002544, AC006312, AL031311, Z49866, AP000692, AC006211, AC004492, AC005736, AC002546, AC004859, AC005924, AL117337, AC005209, AL035685, AC004973, AC004953, Z69705, AL080317, AC002350, U85195, AL031985, AL034555, AC004024, AC007546, AC005476, AC004253, AP000008, AC006115, AC004815, AC002404, AC007327, AL121934, AL121658, AC004858, AC004754, AC004983, AC004453, AC005049, AC007421, AC004134, AP000553, AC012384, AL031681, AL135744, AC002381, AC005015, AC005568, AL133245, L78833, AC005669, U91327, AL133246, AL021394, AL050343, AL049709, AC002301, AC000134, AC002365, AL021578, AL049795, D86995, AC005338, AC005409, AC008372, AC002390, AC004686, AC005899, AL049646, AL109952, AL049588, AL132987, AL022721, AC003070, AF207550, AC003104, AC006251, AC007216, AC004821, AC005277, AC006241, AC005274, AP000128, AP000206, AC004797, AC005538, AC006538, Z98884, AL035422, Z83838, AC006011, AC005796, AC006117, AC002310, AC009247, U95742, AC007199, AC004910, AC005808, AC005754, AL035458, AC005746, AC009516, AC002126, AC002091, AC006571, AC005488, AC007151, AC005775, AC007114, AC020663, AC007221, AL031597, AL035414, AC005856, Z99943, AC002551, U91323, AC007382, AC003684, AL049569, AP000355, AC005527, Z69042, AC003109, AP000555, AC005513, AC004841, AC004033, AL022343, AP000696, AC005291, Z97181, Z49258, AC008040, AC004019, AP000114, AP000046, AC005531, AC004466, AC002463, AC006501, Z49154, AC005255, AP000557, Z98050, AC005755, AF134726, AC005412, AC003110, AC004884, AC004659, and Z95115. |
| HEONQ93 | 2140 | 792377 | 1 - 368 | 15 - 382 | AW392300. |
| HEONQ08 | 2141 | 959556 | 1 - 699 | 15 - 713 | AI378653, and H97239. |
| HEONQ19 | 2142 | 930705 | 1 - 897 | 15 - 911 | AA532915. |
| HEONQ58 | 2143 | 965881 | 1 - 506 | 15 - 520 | AI625739, AW272001, AI435829, AA147072, AI609268, N91272, AA147105, AA834526, W27700, AA126003, AA602530, AA398168, AW294288, AW004619, AI202250, AL119565, AB007884, and AI250425. |
| HEONQ65 | 2144 | 967588 | 1 - 340 | 15 - 354 | AA683299, and AC005075. |
| HEONQ69 | 2145 | 556544 | 1 - 355 | 15 - 369 | |
| HEONU26 | 2146 | 577429 | 1 - 491 | 15 - 505 | AA845825, AA503018, AI862790, AI240919, AI246061, AI792537, AI270853, AI252826, AI254046, AI251643, AI435754, AW086343, AI224728, AW301997, N29930, AI271005, AI249565, AI254826, AW271081, AI224422, AI251312, AI253060, AW302086, AI254783, AI307025, AI472990, AI254056, AI254683, AI223591, AI252493, AI284764, AI224311, AW086227, AI435696, AI053574, AW167330, AI362442, AI682310, AI884861, AA857812, AA862014, AA340153, AI864500, AA468494, AI255060, AW271137, AI252996, AW302016, AA678616, AA662905, AI683019, AI289050, AA076473, AA728911, AI085095, AI284092, |

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| AA364150, A1499941, A1185394, A1472782, A1419337, A1361090, AA633565, AA084950, AA935380, T34558, AL119563, AA484892, A1421950, AW026305, A1054090, A1690335, AA486352, AW054936, AA468956, A1249853, A1284543, A1254770, A1798242, A1251944, A1251034, A1251284, N76555, A1250552, A1279417, AA665304, A1570805, AW021007, A1049534, AA741301, A1138065, AA579399, AW192518, AW078821, H39839, AW408767, AW390284, A1347665, AA644223, AA599749, AA581498, A1472736, AW265688, A1355246, AW328370, AA224525, AW440568, H86579, AA678932, H25626, F09355, AW081610, AA345594, N67313, AW342143, AA757426, AA610713, A1803741, H93152, A1889955, AA773881, A1538236, AA126814, A1671077, A1251241, A1678476, N75708, N25079, AA018923, A1065043, AA012829, AA244181, A1223626, AA197019, AA610775, A1591134, AA558366, AW019964, AW079667, AW303098, R35259, A1890753, A1343669, A1309121, W44359, F17537, T08386, A1863246, AA618240, AA678622, AA610255, N70449, A1791718, H10454, A1860535, AA748071, A1285493, AA916430, A1312090, AL044488, A1312784, AL133906, AL133902, A1866996, AA426451, A1889426, A1520967, A1760700, AA572983, A1376197, A1567941, AA019542, A1679759, A1205783, A1523865, A1114653, AA714955, AA053463, A1889579, A1524957, AA632988, AA295893, AW087226, AA501441, A1559282, A1270442, AA083681, AC006010, AC005274, AC005004, AC007738, Z84466, AC004933, AL034549, U80017, AC005539, AF124730, AL031387, AC004111, AB014077, AC004209, AP000513, AL022578, Z92540, AC009399, AC002432, AF001549, AC004787, AC004531, AC007899, AC007462, Z84469, AP000281, AC002066, AC003695, AP000260, AC005031, AJ133269, AL049611, AC005886, AL031651, AP000039, AP000099, AC005377, AP000036, AC005696, AC006501, AC004000, AP000046, AP000114, Z73496, Z96074, AF017104, AC002480, AL031177, AC005728, AL049591, AL022162, AC002531, AC002377, AL133246, Z94056, AF095901, AL031589, AL022394, AL024508, AC004999, AC010206, AF067844, AL132987, AC005740, AC006080, Z98946, AL035530, AC002538, AF217403, AL049650, AL022337, AC005071, AC002559, AP000688, AL035696, AC007253, AC005822, AL031230, AL008729, AL078593, AC011625, AL049176, AL035652, AC009330, AL034553, AC001231, AC005969, AL050350, AC005344, AC008119, AP000113, AP000045, AL049779, AC007546, AL035400, AC009542, AC008498, AL078581, AC004811, AC005295, AC006459, AC005323, AC004253, AC006367, AC004808, AC006443, AC007228, AL078584, D87009, AL024474, AC007016, AC002352, AC006552, U91325, AC006000, AC005609, Z99570, AL049569, AC005099, AC007298, AC004694, Z98751, Z68273, AC004552, AC007386, AP000506, AC005058, AC004950, AC004584, AF191071, AL033381, AC004228, AC008928, AL117356, AF123462, AB000882, AC004831, AL109865, AC007240, AC006013, AC003003, AF003528, AL035089, AC005826, Z97054, AL049760, AC006379, AL022165, AC005725, AC002070, AC006450, AF031076, AC004072, AL133321, AF031075, AL117258, U96629, AF139813, AL135879, AL121790, AF064858, U91321, Z98884, AL031595, AC005304, AC005017, | | | | | |
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| HEONU75 | 2147 | 851054 | 1 - 215 | 15 - 229 | |
| HEONV59 | 2148 | 949152 | 1 - 376 | 15 - 390 | |
| HEONW15 | 2149 | 575812 | 1 - 379 | 15 - 393 | |
| HEONX19 | 2150 | 668740 | 1 - 363 | 15 - 377 | |
| HEONX49 | 2151 | 485897 | 1 - 480 | 15 - 494 | |
| HEO0B36 | 2152 | 830013 | 1 - 363 | 15 - 377 | |
| HEO0D03 | 2153 | 923505 | 1 - 502 | 15 - 516 | |
| | | | | | AA404360, AW148964, AL290157, AA809125, AL433952, AA569565, T94858, AA601376, AL224583, AA428270, AA255832, AA855570, AW006124, AA831350, AA811673, AL133355, AA927531, AL036896, AA484699, AA018488, AA174108, AL457605, AA669458, AW419201, N76712, AL889236, AA491941, AL254463, N71264, AL252005, AA533977, AW403177, AA493464, AL097211, AL254267, AW088928, AA666172, T73227, AL044758, AA533066, AA225645, AA947997, AA533660, AL869406, AA493546, AA516061, AL572680, AL744890, AA130350, AL926104, AL125192, AL044966, AA199578, T49381, AW379889, R07303, AL271873, AL912307, AL610814, AL079508, AA359725, T07954, AA165504, AA484321, AA779599, AL978902, AP000563, AP000211, AP000133, AC003041, AB003151, AC005280, L78833, AC005484, AC006597, AC005182, AC004771, Z95704, AL049636, AC005099, AL022318, AL109627, AL117339, AL022320, AC005562, AC005839, AL031311, AC006511, U91321, AC005632, AC004150, AP000213, AF064861, AC006026, AP000135, AC003072, AC004913, AL049869, AC007546, AC000052, AP000031, AL031846, Z84476, AC007030, Z98949, AC002310, AL096701, AF165926, AC006211, AL031282, AF111169, U91327, Z84474, AC004542, AL035696, AC004876, Z86090, Z83844, AC004967, AC002477, AC007421, Z83840, AL035587, AL034343, AC020663, AC000353, AC005209, AC005037, Z93241, AC007666, Z97054, AL109623, AC004983, AC006166, AL031662, AL078639, AC007226, AL031730, AC009516, AC005971, AC008372, AC005291, AC007277, AC007686, AC005014, AC004895, AC007707, AC004019, AC005529, AF207550, AC007376, AC006120, AL096791, AC002351, AC003950, AC005049, AC007055, AC008044, AC005089, AP000354, AL139054, AC005779, AP000692, Z15025, AC004797, AC006162, AC005399, AC007364, AC003982, AC005694, Z93017, AC004882, AB023051, AP000116, AC002350, AL033392, Z98941, AC004084, U91326, AC005358, AC003688, AC007263, AC004765, AL050341, AL035413, AP000689, AC004910, Z95703, AL034402, AL117337, AC005519, AC008134, AC004890, AL078581, AC003006, |

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| | | | | | AC006960, AF118808, AF196779, AC005618, AP000114, AP000046, Z98051, AC006277, AL008725, Y18000, AC006285, AL133448, AC007204, AC004447, Z82171, AC008067, AC003030, AC002369, AL024509, AL031281, AC007919, AC003969, AL080243, AC004653, AF045555, AL034548, AP000030, Z82206, AC005531, D83253, AP000099, AL035660, AP000008, AP000512, AL034417, Z82190, AC002996, AC005730, AL008582, AC004859, AL031591, AC004878, U91323, AC006449, AL133445, AL121603, Z81369, AC005736, AC006312, AC005625, AC006509, AL121578, AL031432, AL122020, AP000036, AP000253, AL031666, AL049759, AL031427, AC003007, AC005755, AJ003147, AC006581, and AC006396. |
| HEOD59 | 2154 | 738991 | 1 - 397 | 15 - 411 | |
| HEODV40 | 2155 | 710800 | 1 - 357 | 15 - 371 | |
| HEOPE28 | 2156 | 926837 | 1 - 589 | 15 - 603 | AA286964, AL568687, AL680899, AA809497, AA746098, AA287967, AW452688, AA814524, AW130037, and AB028989 |
| HEOPE58 | 2157 | 851009 | 1 - 463 | 15 - 477 | AL078634, AP000117, AP000194, AP000313, and AP000050. |
| HEOPF03 | 2158 | 839868 | 1 - 530 | 15 - 544 | AC004954. |
| HEOPF18 | 2159 | 918405 | 1 - 407 | 15 - 421 | |
| HEOPF25 | 2160 | 934171 | 1 - 510 | 15 - 524 | |
| HEOPF33 | 2161 | 969695 | 1 - 406 | 15 - 420 | AA810065, AW205048, and AC003959. |
| HEOPF56 | 2162 | 850925 | 1 - 687 | 15 - 701 | U81192, AP000325, AP000054, AP000122, and AP000169. |
| HEOPG01 | 2163 | 915047 | 1 - 476 | 15 - 490 | AL031667. |
| HEOP169 | 2164 | 883161 | 1 - 580 | 15 - 594 | |
| HEOP173 | 2165 | 850936 | 1 - 597 | 15 - 611 | AL121760. |
| HEOPJ41 | 2166 | 855634 | 1 - 536 | 15 - 550 | N91672, AC008122, AP000558, AC009516, U91318, AB020864, AP000555, AF003626, AP000501, AL049779, AP000553, and AL031984. |
| HEOPK43 | 2167 | 930942 | 1 - 649 | 15 - 663 | |
| HEOPK47 | 2168 | 966327 | 1 - 699 | 15 - 713 | AC006987. |
| HEOPK52 | 2169 | 883170 | 1 - 475 | 15 - 489 | AC005913. |
| HEOPK90 | 2170 | 850883 | 1 - 624 | 15 - 638 | |
| HEOPN73 | 2171 | 851002 | 1 - 504 | 15 - 518 | |
| HEOPN78 | 2172 | 918205 | 1 - 314 | 15 - 328 | |
| HEOPN95 | 2173 | 973440 | 1 - 732 | 15 - 746 | Z99396, AW392670, AW372827, AW384394, AW363220, AL119497, AL119355, AL119457, AL119319, AL119483, AL119324, AL119443, U46341, AL119484, AL119391, U46349, AL119522, AL119363, U46350, AL036418, AL038837, U46351, AL119341, AL119335, AL119418, AL037051, AL036725, AA631969, AL119396, AL119496, AL036858, AL037205, U46347, AL119444, AL043029, AL042984, AL119439, AL119401, U46346, AL042614, AL039074, AL036924, AL142132, AL134525, AL134538, AL042544, AL142137, AL042965, AL042975, AL134902, AL119399, AL134536, U46345, AL043019, AL043039, AL043033, |

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| | | | | | AL042551, AL038509, AL119464, AL042450, AL043011, AL042542, AL037094, AL037085, AL037526, AL036196, AL043003, AL036268, AL037639, AL036190, AL037082, AL038520, AL036767, AL037077, AL036774, AL036998, AL038851, AL038447, AL036238, AL036733, AL036719, AL037178, AL037027, AL037615, AL036679, AL036765, AL036191, AR066494, AR060234, A81671, AR023813, AR064707, AR054110, AB026436, and AR069079. |
| HEOP008 | 2174 | 958184 | 1 - 422 | 15 - 436 | |
| HEOPP30 | 2175 | 850916 | 1 - 418 | 15 - 432 | R93882, R99079, AA846981, N70425, AL271762, AA563770, AC007225, AC004019, AC006121, AC000052, AL031427, AC007279, AP000690, U95740, U73167, U90094, AC006071, AL049569, Z77852, AP000151, AC005484, AC005014, AC008154, AC005539, AC002565, AC002314, AC003665, U80017, AC004084, AC007993, AC007731, AL008718, AC005500, AC004491, AF001550, AC005081, AC005932, AC000159, AC000134, AC005952, AC020663, AL121653, AC005535, AC005844, AL049793, AC004851, AF205588, AF196969, AP000513, AC006084, AL133244, AB023049, AC006146, AP000115, AC004820, L78833, AC005295, AC006449, AC004686, AL031846, AF196970, AC005046, Z99716, AC006111, AL031255, AF042484, AC007226, AC006487, AF045555, AC005829, AC004910, Z85996, AC005920, AC003101, AC005921, AC002059, AL008582, AC005412, AP000694, AC005049, AP000689, AL109753, AC005527, AC004900, AC004797, and AC004999. |
| HEOPQ06 | 2176 | 934147 | 1 - 637 | 15 - 651 | AA631942, AL086196, AC005590, AC004224, AL022330, AL096678, AC004032, AC004645, and AC006237. |
| HEOPW04 | 2177 | 850948 | 1 - 721 | 15 - 735 | |
| HEOPW38 | 2178 | 926764 | 1 - 520 | 15 - 534 | AC005189. |
| HEOPW67 | 2179 | 840050 | 1 - 542 | 15 - 556 | |
| HEOPX85 | 2180 | 855625 | 1 - 200 | 15 - 214 | AI889579, AI160786, F35684, AI355246, AW019964, AA736485, AA805014, T50676, H69992, AA837771, AA256107, AA077619, H60313, AW020198, AW373604, R67701, T83057, AA668905, AW247338, F19643, T62078, AA600132, AA634242, AA487226, AI915081, AA214457, AA354324, Z92546, AP000353, Z95979, AC004882, AC005529, AP000115, AC002077, AP000086, AC006211, AC006120, AC005018, AL009182, AC005620, AL009029, AC006084, U62317, AC004820, AC007225, AC006530, AC004701, AC005881, AC004815, AL031595, AL031984, AC005519, AC005094, AC004663, Z82179, AC002988, AC005255, AL121603, AC004859, AL035405, AC005559, U47924, AC005740, AL035086, AC003692, AP000312, AP000193, AP000050, AP000117, AF001549, U52111, AL035703, AC005412, U91321, AL121658, AC004659, AL031587, Z98946, AC007388, AC006111, AC004762, AL049553, AC005031, AC000079, AL109963, AL022398, Z84487, AC000068, AL022334, AL008635, AC005532, AC006011, AC005046, AP000510, AC007057, U62293, AC005057, AF196972, AC005666, AL109827, AC007308, U80017, AC002470, AC005921, AP000688, AB026899, Z93244, AC007425, AC004216, U95743, AC005257, AF047825, AC005488, AC004675, AF207550, U89335, AL049434, Z98051, AP000221, AP000085, AL049795, |

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| | | | | | AL049570, AC002477, AC004655, AL049823, AL031283, AF088219, AF024533, AC005534, AC005514, AC003678, AL031293, AC006346, AC003663, AC003689, AC007993, AC003071, AC007773, AC005261, AL109798, AC005082, AL049631, AC004042, Z99755, AC005089, AC005495, AC010170, AC006347, AC004217, AL022721, AC002314, AL034553, Z98941, AC005088, AD000092, AP000500, AC004819, Z97630, AC007200, AB020861, AC007435, AL121973, AL109865, L29766, AL049872, AC005624, AF001551, AL008707, AC005206, AC005667, AL035420, AC005152, AC008101, AC004999, AC006254, AL035422, AL008628, AC005510, AC008079, AL133246, AC005618, AC005696, AF217403, AF037338, AC007292, AP000691, AL049576, AC003665, AC003002, AC002316, AP000113, AP000045, AC004910, AC000059, Z95116, AL031230, Z82214, AC004943, AC005411, AC006581, AC007685, AC007066, AL049539, AC005070, AP000329, AL031781, Z93930, AP000123, AP000170, AP000055, AC000134, AP000501, AL031577, AF053356, AL135744, U91323, AC004033, AC002091, AC005034, AC004000, L78810, AC004049, AL109616, AC004851, Z99916, AL031677, AL031846, AL022326, AC005015, AL034429, AC006449, AL049843, AP000553, AC002350, X06292, AJ131757, AC003004, AC004644, AC005179, AP000255, and AC004752. |
| HEOPY05 | 2181 | 918438 | 1 - 494 | 15 - 508 | |
| HEOPZ02 | 2182 | 918407 | 1 - 493 | 15 - 507 | AW392670, AW363220, AL042614, AW372827, AW384394, AL119444, Z99396, AL119443, AL119341, AL119319, AL119457, AL119497, AL119324, AL119483, AL037205, U46351, AL119355, U46349, AL119484, AL119363, AL119391, AL119418, AL119335, U46350, U46347, AL134524, AL134902, AL042978, AL119396, U46346, AL119522, U46341, AL042965, AL042975, AL042984, AL119401, AL134525, AL119496, AL119439, AL142132, AL043019, AL134920, AL119399, AL042433, U46345, AL042896, AL042450, AL043029, AL134536, AL134538, AL042544, AL042970, AL142131, AL042542, AL042551, AL119464, AL043003, AL119488, Z99572, AR066494, A81671, AR060234, AR054110, AB026436, AR069079, and AR043113. |
| HEOPZ05 | 2183 | 928257 | 1 - 166 | 15 - 180 | AW090604, and L01057. |
| HEOPZ11 | 2184 | 965970 | 1 - 462 | 15 - 476 | |
| HEOPZ29 | 2185 | 878503 | 1 - 381 | 15 - 395 | AA347231. |
| HEOQB30 | 2186 | 909899 | 1 - 658 | 15 - 672 | AA280922, AA090210, A1264291, AW148672, AA769639, and D29642. |
| HEOQC10 | 2187 | 963398 | 1 - 386 | 15 - 400 | AA837771, AA573000, AA768179, AA635433, AA993165, AA664248, D51877, AA385775, AA302660, AW419389, AA515172, AA527109, AA568314, T07285, A1521042, T17135, AA078137, A1246061, AA078184, AA714073, H85587, AA610374, AA668148, A1244985, AA743968, R61195, AA720582, A1743129, AA832124, AA371410, H27788, AW089950, AA662629, R87135, A1572680, A1223968, AA348271, AW105463, AL044793, AW341882, A1653783, A1761566, AA078509, AA658853, W39287, AP000115, AC004859, AL031781, AC005071, AL031133, AC005037, AC005004, AF001549, AC005722, AP000355, AL133445, AL021391, AF047825, AL031985, AC004587, AC005300, AC005193, AP000212, AP000134, |

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| 7057, AL031663, AL049872, AP000141, AC000353, AP000343, AC007263, 1594, AC000026, AF053356, Z85987, AL035416, AC005632, AP000555, 2476, AL136295, AC005015, AC002470, AF196970, AC005914, AC005881, 3312, AC006480, AC004033, AP000088, AL022721, AC004797, AL121658, 3744, AP000502, AC007731, AC006241, AC003029, AP000044, AP000112, 5500, AC005046, AL049776, AC006257, AL033397, AP000354, Z93017, 5921, AF196971, AC005911, AC006455, AC005519, D87675, AL022322, 3895, AB016897, AP000344, AL049869, AC004887, AC006111, AC005520, 5971, AC006441, AC007151, AP000512, Y10196, AC005231, AL022329, 7, AF109907, AL035587, AB026898, AC005225, Z93931, AL133249, Z85996, 3353, AL022326, AL117328, AL121825, AC004655, AC003973, AC005189, 1883, Z99716, AC007226, AC007637, AC005412, AC005480, Z74739, 2712, AL031670, AP000359, AL034429, AC003101, AC004000, AC005069, 7308, AC007738, AC005537, AC005924, AL009183, AC004150, AC007262, 3049, AC007021, AC006312, AC005291, AC006946, AL031186, AL022338, 5274, AL109758, L44140, AP000014, AL031584, AC004836, AC002504, 2085, AC005512, AC005746, AC002312, AC005011, AL109952, AF111167, 3575, AL049569, AC005041, AL080243, AL031005, AC002055, AL139054, 4, AP000011, AC007066, AL132826, AC004492, AC006948, AF029308, 057, AC005821, AL117352, AL035420, AC004796, AC007030, AC002563, 3321, AL109628, AL023581, AC004963, AC004638, AC005536, AC000075, 1054, AC004491, AC005409, AC004383, AC004996, AC007686, AC006116, 1754, AC005102, AC005280, AC002511, AC004477, AC006449, AC004242, 3085, AC004884, AC004682, AC006376, AC006285, AL035458, AC007687, 5599, and AP000240. | 1, AA368329, AW019964, AL160786, AW440451, AA582746, AA071045, 1, AL446561, AA937618, AL753536, AW265688, AA584655, AA714073, H65316, AL298079, AA730035, AL860535, AW367942, T50676, H54252, 12, AA657910, AL198718, H29914, H53284, AA077637, AA513884, AL041352, 3, F11421, AL246386, AL583978, AL799421, AA565911, AA551110, AW190277, 2414, AA445908, AL929298, AL929825, AA683069, AL130709, F26713, 395, AL671077, AW161016, AW079737, AW272640, AW275432, AW157180, 4011, AL609972, AL814682, AL291439, F31575, AA678472, AA572987, 7215, AL858272, AA297698, AA297006, AA58404, AL039309, AA378207, 4594, C14330, AL368732, H73550, AL045476, AA486820, AL432298, R93919, 39227, AA612578, AA745628, AL583291, AA564682, AA122310, AA282951, 34580, AA584800, AA772704, AA093114, AA613761, AL634187, C16358. |
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| HEOQC76 | 2189 | 909032 | 1 - 645 | 15 - 659 | <p> AI619994, HI0577, AW148775, AA862029, AA662615, AI457313, AI733717, AA559166, AI271762, AI431513, AI633386, AI249688, AA599423, W81372, AW302670, AW408596, AA460692, T94394, R64640, F04252, AA515351, AA610255, AW028950, F30158, AI345334, AA715962, AA015948, Z98474, T51556, AL037533, AI889579, AI355246, AW020891, AI758799, F31811, AA297496, AA664126, AI190648, H40478, AA358178, AA653713, AL078474, AL109963, AL110122, AL049833, AC008101, AC008079, AP000466, AF196969, AL109865, AC006084, AC006196, AF111168, AC007201, AL049829, AJ004799, AC004820, AC004000, AC002347, AC002385, AC005837, M87912, AC008975, AC004150, AL049539, AL049696, AL050327, AL049776, AC007225, Z68129, AC004499, U52111, AL021453, AC005509, AP000022, AP000163, AC004217, AL023095, AL049563, D86992, D88270, AC004587, AC008062, AC007637, AC016025, AL008635, AB017653, AC005559, AC005581, AC006398, AC005393, AC003109, AC005018, AF019406, AL050341, AL109983, AP000689, AB003151, AC002429, AC007012, AL022334, AC006476, Z84469, AC002477, AP000299, AL035086, AF039907, AC005156, Z83844, AC005411, AL109627, AC006979, Z93244, AC008085, AC006121, AC005871, AL049569, AP000501, AC006430, AC004598, AC005193, AL031680, AC003051, AC003665, AC005859, AL117356, AC005228, AC004551, AC002070, Z49769, AC005566, AL050306, AI246003, AC006511, AC005516, AC002368, AC004913, AL008707, AB006136, AL022328, AL035681, AC005828, AF037338, AP001063, AL022313, AL035088, AL117355, AC005972, AC005747, I34294, M87889, Z82217, AC004257, AC002369, AC005912, AP000692, AC004797, Z82176, AC005702, AC004262, L47234, AC003002, AL022399, AP001053, AC002302, AC006141, AF047825, Z96074, AC004494, AC005225, AC006531, AL022721, AP000065, Z84466, AF027390, AL009183, AC002453, AL034420, AL021920, AL109653, Z85996, AC005539, AC004596, AC002059, AL021546, AC005261, Z49235, AL008637, AL035682, AL049697, AC005034, AC007786, AP000557, AL031848, AP000113, AP000045, AC004611, AC002128, AC006137, AC007279, AC009247, AP000350, AL022323, Z49236, AL022329, AL109977, AC005412, AC007676, AI131341, L31565, AL096818, AF176815, U82668, AL035090, AL035079, AP000031, AC005821, AL133353, AL050320, U10087, Y12508, AL022333, AC006537, AC002116, AC005783, AC004961, U78027, AL035422, AL031904, AL121603, AL049636, AL035405, AP000503, AC006011, AL035413, AC000075, AC000084, AC002491, AC002056, AL031730, AC002554, AC007537, AL022318, Z85994, AL079340, AC005737, AL049839, AL078603, AB018295, AC007059, AC003963, Z98885, AC005800, AL109839, AB004907, AL034451, AF129756, AC004597, AL031662, AC005015, AL022326, AL079342, AL049743, AC004703, Z77852, AC005291, AC006133, AC003048, Z97876, AL035551, AL049814, AB001523, AC005914, Z84487, AL050325, AC002517, AC004832, AC006928, AC005726, AL021391, AF134726, AC002558, AF030453, Z98752, AC002306, AC004106, AC005256, and AF038458. </p> |
| | | | | | AA279563, and AA490433. |

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| HEOQE04 | 2190 | 922876 | 1 - 480 | 15 - 494 | AA381451. |
| HEOQF77 | 2191 | 850974 | 1 - 403 | 15 - 417 | AA714278, AA827817, AA483603, AI032875, R44616, AL036300, AI243933, AA135806, AI904051, AL008630, AC002352, AC004893, AC002115, AC002045, AC005089, AC005756, AC005952, AL031273, AL020997, AL031311, AC005067, AP000313, AP000194, AP000050, AC011504, AF001548, AP000117, AC005488, AC004491, AF053356, AC004659, AC004834, AC002364, AL096775, AC000113, AC005551, AC005081, AC005086, AL031686, AC003666, U63313, AC004897, AL117694, AC004382, AC000082, AC004883, AC005792, AL049539, AC004905, AP000032, AC002425, AC005479, AL035088, AC002070, U91323, Z97055, AL033517, AF003529, AC005049, U96629, AC003101, AC000070, AC005620, AC002527, AF196972, AP000355, AC009288, J03764, AP000013, AP000154, AC005015, AC004653, AC002302, AC000091, AC002310, AF030453, AC005088, AC007207, AC004841, AF184614, AC002522, AC004602, AC000095, AC004528, AF024533, AL035073, AC005841, AP000008, AC005800, AL049745, AC002992, AC002312, and AC022517. |
| HEOQG73 | 2192 | 958109 | 1 - 584 | 15 - 598 | R95051, AA491864, AI745457, AC004770, AC004228, AC002470, AC005550, AL031670, AF053356, AC000092, AC005527, Z85986, AC000134, AC005529, AP000555, AP000885, AL034429, AC004530, and AL008709. |
| HEOQG80 | 2193 | 850971 | 1 - 448 | 15 - 462 | AI868365, AL132777, AL031651, AF111168, AC002115, AC002381, and Z68323. |
| HEOQH81 | 2194 | 934100 | 1 - 597 | 15 - 611 | AA708108, AA504896, AA811208, AI590941, AA486226, AC004883, AC005529, AC005015, AC005527, AC002470, AC002375, AC004895, AC005971, AC004598, AL031286, AC007537, AC000025, U82671, AC007216, AF001549, AL009181, AL035458, AC005081, AC002316, AC004974, Z69917, AP000298, AC005690, AC005277, AL078587, AL109627, AC005538, AC004531, AF039907, AL031668, AC000134, AP000701, AL049757, Z82182, AC005274, AC005011, AL049869, AC006017, AP000354, AC003684, AL008718, AC009516, U78027, AP000044, AP000112, AL021368, AL035413, AL031311, AL035422, AL031295, AC005377, AL031428, AC009731, AC004858, and AC007308. |
| HEOQJ11 | 2195 | 965973 | 1 - 587 | 15 - 601 | AA533768, AI820985, AA620562, AI720732, AW404354, AA088727, AW082470, AA984114, AI590906, AW089604, AC006036, AC005548, AC005972, AL031662, AC004185, AP000509, AC004024, AF017104, AF141309, AP000563, AL049845, AP000210, AP000132, AC004522, AF129756, AC008009, AC006211, AC000062, M64231, AP000348, AC006504, AL050343, AC002477, AC004087, Z74739, AL023494, AC007684, AC003043, Y14768, AC004874, AP000505, D84394, AF165926, AC007102, AC008063, AC007639, AC004491, AC004887, AF196972, AC004253, AC005484, AC004787, AC016831, AP000503, AL133312, AF134726, AL035667, and AL121653. |
| HEOQJ11 | 2196 | 879559 | 1 - 552 | 15 - 566 | AC002536, and AB029488. |
| HEOQK70 | 2197 | 934370 | 1 - 601 | 15 - 615 | AI383451, AL119484, AW392670, AL119439, AL134530, AL134519, AW372827, AL119391, AW363220, AL119319, U46347, AW384394, AL119457, Z99396, AL119324, AL119522, AL119363, AL119355, AL119497, AL134528, U46351, AL119341, U46350, AL119396, |

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| | | | | | AL119483, AL119443, U46349, AL119444, AL134525, AL134524, AL134527, AL134531, AL134536, AL134538, U46341, AL037205, AL134902, AL134518, AL119496, AL119335, AL119401, AL119418, AL042544, U46346, AL142137, AL142132, AL119399, U46345, AL043019, AL031666, AR066494, AR060234, A81671, AR069079, AB026436, AR054110, and AR043113. |
| HEOQK72 | 2198 | 847285 | 1 - 147 | 15 - 161 | AL045891, AL135012, AL134524, AL043089, AL045327, AL043321, AL042488, AL042655, AL046356, AL432644, AL047163, AL431307, AL047611, AL042898, AL042515, AL045328, AL041862, AL042508, AL431316, AL432666, AL042853, AL042729, AL042931, AL040207, AL042787, AL043091, AL623302, AL043239, AL431238, AL047675, AL042533, AL866786, U46344, AL690946, AW151136, AL539771, AL537677, AL494201, AL500659, AL866465, AL815232, AL801325, AL500523, AL538850, AL887775, AL582932, AL923989, AL284517, AL872423, AL590043, AL648567, AL500706, AL445237, AL491776, AW151138, AL521560, AL889189, AL500662, AL582912, AL284509, AW172723, AL539800, AL440263, AL889168, AL538885, AL866573, AL633493, AL434256, AL866469, AL805769, AL434242, AL888661, AL284513, AL500714, AL888118, AL285439, AL436429, AL859991, AL889147, AL355779, AL623736, AL371228, AL581033, AL440252, AL491710, AL610557, AL860003, AL242736, AL828574, AL887499, AL539781, AL539707, AL702065, AL885949, AL042420, AW089557, AL559957, AL521571, AL042802, AL469775, AL866581, AL815150, AL567953, AL446495, AL433157, AL047092, AL890907, AL561170, AL927233, AL432656, AL043166, AW151979, AL042745, AL285419, AL554821, AL042741, AL432653, AL431323, AL431321, AL431315, AL371251, AL039390, AL866510, AW081103, AL289791, AL866461, AL923046, AL690948, AL045620, AL047037, AL042523, AL521596, AL440238, AL046681, AL499581, AL539863, AL079977, AL366900, AL866820, AW197139, AL923061, AL275175, AL045500, AL042551, AL582926, AW058275, AL499463, AL610362, AL119748, AL434222, AL440239, AL042744, AL274759, AL537273, AL436456, AL371265, AL963846, AL567940, AL610357, AL817244, AL612913, AL285826, AL863014, AL355765, AL521594, AL499512, AL433976, AL042365, AL889133, AL538881, AL048403, AL288281, AL039276, AL282268, AW087954, AL355017, AL434255, AL047422, AL043278, AL434223, AL285432, AL697243, AL671642, AL610429, AL628850, AL433968, AL476086, AL537187, AL433155, AL042944, AL045163, AL539632, AL889148, AW118237, AL439995, AL539847, AL521465, AL828583, AL042538, AL872300, AL554827, AL863357, AW172745, AL54998, AL863197, AL567944, AL042865, AL567935, AL805762, AL610426, AL043295, AL867068, AW080700, AL046990, AL355008, AL431246, AL271234, AL042572, AL610402, AL567971, AL042377, AL042557, AL538878, AL888665, AL432654, AL366910, AL049859, AL432650, AL866457, AL499555, AL042842, AL567954, AL537191, AL866491, AL654276, AL567993, AL499915, AL499508, AL817373, AL872315, AL048390, AL273179, AL284515, AL031667, AL133053, AL122101, AL133049, AL133074, AL133076, Y10655, AL137267, AL122049, A85203, AR034821, Y17793, AF113694, AL049423, |

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| | | | | | AL133655, U30290, E13998, AL050280, AL049464, M30514, L31396, U68387, L31397, AL133084, AL133070, AL110159, S61953, AL133082, AL050146, AL122093, AL133072, AL122110, AL133080, AL133081, AL133077, AF081195, E07361, AF002985, U58996, AL133607, AL133644, AL133015, AL133608, AF161699, AR055519, Y07915, I80064, AL049300, and AR066494. |
| HEOQM83 | 2199 | 850964 | 1 - 588 | 15 - 602 | AA341080, AW249300, AW392934, AA773513, AA176554, W93722, A1597867, AC006252, Y17169, and AL136773. |
| HEOQN06 | 2200 | 934202 | 1 - 759 | 15 - 773 | AA774831. |
| HEOQN15 | 2201 | 864110 | 1 - 211 | 15 - 225 | |
| HEOQN87 | 2202 | 850957 | 1 - 454 | 15 - 468 | AA680243, A1732120, AA453558, AW406162, AA938105, AA679936, T40452, AA601908, AA806796, AA205915, AA774222, AL121235, AA347241, AL046457, D82290, AA496508, D82542, AA836811, AL048125, A1110760, A1924251, AA524821, AA309841, AL079869, AA533303, R70821, A1799545, N23649, T74382, A1093030, A1133297, AA508359, AA483223, A1038990, AW075511, H71429, AA722372, A1816537, AA747777, AW245747, AA846952, T07249, AL036037, AW438555, A1284640, AA587604, AA605272, AW248847, AA502104, A1754955, AA580808, A1270117, AW023990, AA584167, N27329, AA702729, AA632868, AA496260, AA652057, AA324849, AA837655, A1274692, AA613232, AW303196, AW274349, AL038705, AA224525, AA214342, AW301350, AA992351, A1583383, A1334443, AW419262, A1370074, AA503015, AL041706, A1431303, AW193265, AL046205, AL041690, A1350211, AW072923, AA584581, AA192740, AW302013, A1631119, AA178953, AA810269, A1744826, AA634889, AA613227, AA632612, AA720702, AW128900, AW128884, AW088224, AL046409, A1370094, A1364020, C06151, AA613203, A1364026, AA658362, AA834713, A1281881, AA614070, AA828712, AA568341, AW301302, A1572924, AW088058, AW021583, AA526787, R95139, AA618412, AL044940, A1499938, AA493621, AA568862, A1819574, AA847499, A1473475, AA478355, AW438643, AW276435, A1432270, A1919265, AA834755, AA490183, AW022406, AA513136, A1537506, A1053672, AW274346, AW245325, AA493136, AA847952, AA515440, AW270382, AA649604, AA804962, AW410400, AA367986, AA483771, AA856954, AA366312, AL119691, AW021207, T41247, AP001038, U07562, AC002301, AC004690, Z98036, AF109907, AF196779, AL023494, AC005324, AL049776, AC009516, AC007686, AL035587, AL031846, AC004858, AC005406, AF088219, AC007298, AL022476, AC004854, AC007243, D87675, AC006359, AP000352, AL050321, AL034420, AC005231, AC008072, AC005274, AL096769, AP000088, AC004675, AP000240, Z86090, AC004517, AL035681, Z98884, AP000553, AL008718, AC002365, AC003085, AC005725, AL117258, AC000358, AC006285, AC007136, AL022329, U96629, AC007051, AC000353, AC006965, AC004671, AC005763, AC006486, Z92845, AC008372, AL020995, AC007955, AC002418, AC007688, AC004848, AC004386, AL031584, AC007283, AL049829, AL049832, AC004019, AC003035, AC002119, AC007041, AC005907, AL122020, AL034548, AC006275, AL121603, AC000052, AC009069, |